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FORMULA INDEX.

THE following index of organic compounds of known empirical formula is arranged according to Richter's system (see *Lexikon der Kohlenstoff-Verbindungen*).

The elements are given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C_1 group, C_2 group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

Simple metallic salts of acids are indexed under the respective acids.

Simple salts of bases (for example, hydrochlorides, platinichlorides, and picrates), when described for the purpose of further identifying the base, are indexed under the latter.

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CO Carbon monoxide, effect of temperature on the dissociation equilibrium of (RHEAD and WHEELER), T., 2178; P., 220.

CO_2 Carbon dioxide, absorption of, by *p*-azoxyphenetole, relation between solubility and the physical state of the solvent in the (HOMFRAY), T., 1669; P., 197.

CS Carbon monosulphide, Deniger's, non-existence of (DUNN), P., 116.

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CHN Hydrocyanic acid, combination of, with keten (DEAKIN and WILSMORE), T., 1968; P., 216; new sensitive test for (MOIR), P., 115.

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$C_2HN_3Br_2$ Triazoethylene dibromide (FORSTER and NEWMAN), T., 2574; P., 322.

$C_2H_2ON_4$ Triazomethylcarbimide (FORSTER and MÜLLER), T., 1061; P., 112.

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$C_2H_4N_3Cl$ Triazoethyl chloride (FORSTER and NEWMAN), T., 2575; P., 322.

$C_2H_4N_3Br$ Triazoethyl bromide (FORSTER and NEWMAN), T., 2576; P., 322.

$C_2H_4N_3I$ Triazoethyl iodide (FORSTER and NEWMAN), T., 2577; P. 322.

$C_2H_5ON_5$ Triazomethyl carbamide (FORSTER and MÜLLER), T., 1065; P., 113.

$C_2H_6O_4S$ Methyl sulphate, complete methylation by (MELDOLA), P., 232.

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$C_3H_4O_4$ Malonic acid, determination of, by potassium permanganate (CAMERON and MCEWAN), P., 144.

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$C_3H_4O_2N_8$ Bistriazomalonamide (FORSTER and MÜLLER), T., 138; P., 4.

$C_3H_5O_2Br$ α-Bromopropionic acid, interaction of, and its sodium salt, with silver salts in aqueous solution (SENTER), T., 346; P., 23.

$C_3H_7O_2Cl$ Glycerol α-monochlorohydrin, preparation of aryl ethers of (BOYD and MARLE), T., 1788; P. 208.

C_4 Group.

$C_4H_2O_3$ Maleic anhydride, rate of hydration of (RIVETT and SIDGWICK), T., 1677; P., 200; action of Grignard reagents on (PURDIE and ARUP), T., 1537; P., 199.

C_4H_4O Furan, absorption spectrum of (PURVIS), T., 1648; P., 201.

$C_4H_4O_2$ *cyclo*Butan-1:3-dione, preparation and properties of (CHICK and WILSMORE), T., 1984; P., 217.

$C_4H_4O_3$ Succinic anhydride, rate of hydration of (RIVETT and SIDGWICK), T., 1677; P., 200.

C_4H_4S Thiophen, absorption spectrum of (PURVIS), T., 1648; P., 201.

C_4H_5N Pyrrole, absorption spectrum of (PURVIS), T., 1648; P., 201.

$C_4H_6O_3$ Acetic anhydride, rate of hydration of (RIVETT and SIDGWICK), T., 732; P., 66.

$C_4H_6O_4$ Succinic acid, sodium salts of (MARSHALL and BAIN), T., 1074; P., 114.

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$C_4H_4N_2Br_2$ Dibromo-4(or 5)-methylglyoxaline, and its silver salts (PYMAN), T., 1826; P., 212.

$C_4H_5O_4N_3$ Methyltriazomalonic acid (FORSTER and MÜLLER), T., 131; P., 4.

$C_4H_5N_2Br$ Bromo-4(or 5)-methylglyoxaline, and its salts (PYMAN), T., 1826; P., 212.

$C_4H_6O_2Br_2$ αβ-Dibromobutyric acid, action of bases on, and its esters (JAMES), T., 1565; P., 201.

$C_4H_7O_5N_5$ Methyltriazomalonamide (FORSTER and MÜLLER), T., 133; P., 4.

$C_4H_7O_2Br$ α-Bromobutyric acid, interaction of, and its sodium salt, with silver salts in aqueous solution (SENTER), T., 346; P., 23.

$C_4H_8O_4N_2$ Tartramide, the influence of various substituents on the optical activity of (FRANKLAND and TWISS), T., 154; P. 5.

$C_4H_8N_2S$ Allylthiocarbamide, oxidation of (BARNETT), T., 65.

$C_4H_9ON_3$ β-Triazoethyl ether (FORSTER and NEWMAN), T., 2579; P., 322.

$C_4H_9O_2N_7$ Substance from triazomethylcarbimide and ammonia (FORSTER and MÜLLER), T., 1066.

4 IV

$C_4H_8O_2N_2S$ Allyl derivative of aminoiminomethanesulphinic acid ($+H_2O$) (BARNETT), T., 65.

C_5 Group.

C_5H_{10} *cyclo*Pentane, formation of imino-derivatives of, from open-chain mononitriles (MITCHELL and THORPE), T., 997; P., 114.

5 II

$C_5H_4O_2$ Furfuraldehyde, absorption spectrum of (PURVIS), T., 1648; P., 201.

$C_5H_4O_3$ Citraconic and itaconic anhydrides, rate of hydration of (RIVETT and SIDGWICK), T., 1677; P., 200.

C_5H_5N Pyridine, absorption spectra of the vapours of, and its derivatives (PURVIS), T., 692.

$C_5H_6O_3$ Methylsuccinic anhydride, rate of hydration of (RIVETT and SIDGWICK), T., 1677; P., 200.

$C_5H_6O_4$ *l*-Methoxysuccinic anhydride (PURDIE and YOUNG), T., 1531.

$C_5H_8O_5$ *l*-Methoxysuccinic acid, silver salt of (PURDIE and NEAVE), T., 1518.

$C_5H_8N_2$ 1:4-Dimethylglyoxaline, and its salts (PYMAN), T., 1821; P., 212.

1:5-Dimethylgloxaline, and its salts (PYMAN), T., 1823; P., 212.

$C_5H_9N_3$ β-Amino-4-ethylgloxaline, identity of, with base from ergot (BARGER and DALE), T., 2592; P., 327.

$C_5H_{11}N$ Piperidine, absorption spectrum of the vapour of (PURVIS), T., 705.

5 III

$C_5H_5O_2N$ α-Acetoxyacrylonitrile (DEAKIN and WILSMORE), T., 1969; P., 216.

$C_5H_6O_3Cl_2$ *l*-Methoxysuccinyl chloride (PURDIE and YOUNG), T., 1530.

$C_5H_6N_2Br_2$ 2:5-Dibromo-1:4-dimethylglyoxaline (PYMAN), T., 1831.

$C_5H_7O_2Br$ Allyl bromoacetate (CLARKE), T., 428.

$C_5H_7O_4N_3$ Ethyltriazomalonic acid (FORSTER and MÜLLER), T., 133; P., 4.

$C_5H_7N_2Br$ 2 (or 5)-Bromo-1:4-dimethylglyoxaline, and its salts (PYMAN), T., 1828; P., 212.

2(or 4)-Bromo-1:5-dimethylglyoxaline, and its salts (PYMAN), T., 1829; P., 212.

$C_5H_8O_2Br_2$ Methyl αβ-dibromobutyrate (JAMES), T., 1572.

$C_5H_8O_3N_4$ Tetrahydrouric acid, synthesis of (FRANKLAND), T., 1316; P., 171.

$C_5H_9O_2N$ Butyryl- and *iso*butyryl-formamide, synthesis of (BARGER and EWINS), T., 291; P., 2.

$C_5H_9O_2N_5$ Ethyltriazomalonamide (FORSTER and MÜLLER), T., 134; P., 4.

$C_5H_9O_4N$ *l*-Methoxysuccinamic acid (PURDIE and YOUNG), T., 1532.

$C_5H_9O_4Br$ α-Bromoac tin (ALPERN and WEIZMANN), P., 345.

$C_5H_{10}O_3N_2$ *l*-Methoxysuccindiamide (PURDIE and NEAVE), T., 1519.

$C_5H_{10}O_4N_6$ Substance, from triazomethylcarbimide and water (FORSTER and MÜLLER), T., 1063.

C_6 Group.

C_6H_6 Benzene, separation of *cyclo*hexane from mixtures containing (PATTERSON and FLECK), T., 1773 ; P., 207.

C_6H_{12} *cyclo*Hexane, its separation from, and estimation in, mixtures containing benzene (PATTERSON and FLECK), T., 1773 ; P., 207.

6 II

C_6H_6O Phenol, freezing-point curve for mixtures of camphor and (WOOD and SCOTT), T., 1573 ; P., 194.

$C_6H_6O_2$ Resorcinol, condensation of benzaldehyde with (POPE and HOWARD), T., 78 ; condensation of anisaldehyde with (POPE and HOWARD), T., 972 ; P., 88.

$C_6H_6O_4$ Anhydride of *cis*-tetrahydrofuran-2:5-dicarboxylic acid (LE SUEUR and HAAS), T., 183.

C_6H_6S Phenyl mercaptan, interaction of, with thionyl chloride (TASKER and JONES), P., 234.

C_6H_7N Aniline, absorption spectra of (PURVIS), T., 1546 ; P., 194 ; colorimetric measurement of hydrolysis of salts of (TIZARD), T., 2490 ; P., 225.

α-Picoline, absorption spectrum of the vapour of (PURVIS), T., 700.

$C_6H_8O_4$ Methyl maleate, action of Grignard reagents on (PURDIE and ARUP), T., 1537 ; P., 199.

$C_6H_8O_5$ *cis*-Tetrahydrofuran-2:5-dicarboxylic acid, ammonium salt of (LE SUEUR and HAAS), T., 183.

d-Dimethoxysuccinic anhydride (PURDIE and YOUNG), T., 1533.

$C_6H_8O_7$ Citric acid, potassium cupric salts of (PICKERING), T., 1837 ; P., 17.

$C_6H_{10}O_5$ Methyl hydrogen *l*-methoxysuccinate (PURDIE and YOUNG), T., 1531.

$C_6H_{12}O$ Methyl *tert.*-butyl ketone, action of, on ketols (BOON), T., 1256 ; P., 94.

$C_6H_{12}O_6$ *d*-Fructose, acetone derivatives of (IRVINE and GARRETT), T., 1277 ; P., 143.

6 III

$C_6H_3O_6N_3$ *s*-Trinitrobenzene, additive compounds of, with arylamines (SUDBOROUGH and BEARD), T., 773 ; P., 71.

$C_6H_3O_8N_5$ Tetranitroaniline (FLÜRSCHEIM and SIMON), P., 81.

$C_6H_6O_3N_{12}$ Tristriazomethyl*iso*cyanurate (FORSTER and MULLER), T., 1064 ; P., 112.

$C_6H_8O_3N_6$ Ethyl αα-bistriazoacetoacetate (FORSTER and NEWMAN), T., 1367; P., 197.

$C_6H_8O_4Cl_2$ *d*-Dimethoxysuccinyl chloride (PURDIE and YOUNG), T., 1532.

$C_6H_9O_3N_3$ Methyl α-triazomethylacetoacetate (FORSTER and NEWMAN), T., 1363 ; P., 197.

$C_6H_9O_3Cl$ Methyl α-chloromethylacetoacetate (FORSTER and NEWMAN), T., 1363.

$C_6H_{11}O_2Br$ *n*-Butyl bromoacetate (CLARKE), T., 428.

tert-Butyl bromoacetate (CLARKE), T., 428.

$C_6H_{12}O_3N_6$ Semicarbazone-semicarbazide of acetoacetic acid (CHICK and WILSMORE), T., 1991 ; P., 217.

6 IV

$C_6H_3O_3I_3S$ 2:3-5-, 2:4:5-, and 3:4:5-Tri-iodobenzenesulphonic acid, metallic salts of (BOYLE), T., 217 ; P., 4.

$C_6H_4O_3I_2S$ 2:4- and 3:5-Di-iodobenzenesulphonic acid, metallic salts of (BOYLE), T., 216 ; P., 4.

C_7 Group.

C_7H_8 Toluene, chlorination of (COHEN, DAWSON, BLOCKEY and WOODMANSEY), T., 1623; P., 205.

7 II

$C_7H_4N_4$ *o*-Triazobenzonitrile (FORSTER and JUDD), T., 262.

C_7H_6O Benzaldehyde, condensation of resorcinol with (POPE and HOWARD), T., 78.

C_7H_8S Benzyl mercaptan, reactions of (SMYTHE and FORSTER), T., 1195; P., 135.

C_7H_9N Benzylamine, absorption spectrum of (PURVIS), T., 1552.

Methylaniline, absorption spectrum of (PURVIS), T., 1551.

o- and *m*-Toluidine, absorption spectra of (PURVIS), T., 1551.

p-Toluidine, and its condensation product with acetaldehyde, absorption spectra of (PURVIS), T., 664; P., 56.

2:4-and 2:6-Lutidine, absorption spectra of the vapours of (PURVIS), T., 702.

Δ^1-*cyclo*Penteneacetonitrile (HARDING and HAWORTH), T., 491.

$C_7H_{10}O_2$ Δ^1-*cyclo*Penteneacetic acid, and its silver salt (HARDING and HAWORTH), T., 491; P., 61.

*cyclo*Pentylideneacetic acid, and its silver salt (HARDING and HAWORTH), T., 493.

$C_7H_{10}O_3$ *cyclo*Hexanone-2-carboxylic acid (GARDNER, PERKIN and WATSON), T., 1764; P., 137.

$C_7H_{12}O_3$ *cyclo*Pentan-1-olacetic acid ($+\frac{1}{2}H_2O$), and its silver salt (HARDING and HAWORTH), T., 492.

$C_7H_{12}O_4$ Ethyl malonate, action of aromatic amines on (CHATTAWAY and OLMSTED), T., 938; P., 69.

$C_7H_{12}O_5$ Methyl *l*-methoxysuccinate (PURDIE and NEAVE), T., 1517; P., 198; action of Grignard reagents on (PURDIE and ARUP), T., 1537; P., 199.

$C_7H_{12}O_6$ Methyl hydrogen *d*-dimethoxysuccinate (PURDIE and YOUNG), T., 1533.

7 III

$C_7H_4O_6N_4$ 2:5- and 2:6-Dinitro-1-methoxy-3:4-quinonediazide (MELDOLA and REVERDIN), T., 1206.

$C_7H_5O_4N$ 5-Nitrosalicylaldehyde, and its sodium salt (CLAYTON), T., 1406.

$C_7H_6ON_4$ *p*-Triazobenz-*anti*- and *syn*-aldoxime (FORSTER and JUDD), T., 257; P., 28.

$C_7H_6O_7N_4$ 2:3:5-Trinitro-*p*-anisidine (MELDOLA and KUNTZEN), T., 456; P., 58; (MELDOLA and REVERDIN), T., 1204; P., 132.

2:3:6-Trinitro-*p*-anisidine, product of diazotisation of (MELDOLA and REVERDIN), T., 1204; P., 132.

$C_7H_8ON_2$ Phenylcarbamide, action of chlorine on (CHATTAWAY and CHANEY), T., 292; P., 22.

$C_7H_9O_2N$ Ethyl 1-cyano*cyclo*propane-1-carboxylate (MITCHELL and THORPE), T., 1002.

$C_7H_{10}O_2Br_2$ Allyl $\alpha\beta$-dibromobutyrate (JAMES), T., 1572.

$C_7H_{10}O_3Cl_2$ $\alpha\beta$-Dichloroacetoacetin (ALPERN and WEIZMANN), P., 345.

$C_7H_{10}O_4N_6$ Ethyl bistriazomalonate (FORSTER and MÜLLER), T., 136; P., 4.

$C_7H_{11}O_2Br$ 1-Bromo*cyclo*pentaneacetic acid (HARDING and HAWORTH), T., 492.

$C_7H_{11}O_3N$ 4-Oximino*cyclo*hexanecarboxylic acid, optically active, silver and sodium salts of (MILLS and BAIN), T., 1866; P., 214.

Ethylcarbonato*iso*butyronitrile (DAVIS), T., 951; P., 90.

$C_7H_{11}O_3N_3$ Ethyl α-triazomethylacetoacetate, (FORSTER and NEWMAN), T., 1364; P., 197.

$C_7H_{13}O_2N$ Ethyl N-allylglycine (ALPERN and WEIZMANN), P., 345.

$C_7H_{13}O_3N_3$ Semicarbazone of homolævulic acid (CAMPBELL and THORPE), T., 1315.

$C_7H_{13}NS$ Thioacetylpiperidine (RUSSELL), T., 954.

$C_7H_{14}ON_2$ Acetenylpiperidyloxime (RUSSELL), T., 955.

7 IV

$C_7H_2ON_2Cl_6$ 2:4:6-Trichlorophenyltrichlorocarbamide (CHATTAWAY and CHANEY), T., 299.

$C_7H_3ON_2Cl_5$ 2:4:6-Trichlorophenyldichlorocarbamide (CHATTAWAY and CHANEY), T., 298.

$C_7H_4ON_2Cl_4$ *p*-Chlorophenyltrichlorocarbamide (CHATTAWAY and CHANEY), T., 295.

2:4-Dichlorophenyl-*s*-dichlorocarbamide (CHATTAWAY and CHANEY), T., 297.

2:4-Dichlorophenyl-*as*-dichlorocarbamide (CHATTAWAY and CHANEY), T., 296.

2:4:6-Trichlorophenylmonochlorocarbamide (CHATTAWAY and CHANEY), T., 297.

$C_7H_5ON_2Cl_3$ *p*-Chlorophenyldichlorocarbamide (CHATTAWAY and CHANEY), T., 295.

2:4-Dichlorophenylmonochlorocarbamide (CHATTAWAY and CHANEY), T., 295.

2:4:6-Trichlorophenylcarbamide (CHATTAWAY and CHANEY), T., 298.

$C_7H_5O_3I_3S$ Methyl 2:3:5-, 2:4:5-, and 3:4:5-tri-iodobenzenesulphonate (BOYLE), T., 218; P., 4.

$C_7H_6ON_2Cl_2$ *p*-Chlorophenylchlorocarbamide (CHATTAWAY and CHANEY), T., 294.

$C_7H_6O_3I_2S$ Methyl 2:4-, 2:5-, 3:4-, and 3:5-di-iodobenzenesulphonate (BOYLE), T., 216, 220; P., 4.

$C_7H_7O_2N_3S$ Methanesulphonyl-*p*-phenylenediazoimide (MORGAN, PICKARD, and MICKLETHWAIT), T., 62.

$C_7H_8O_4N_2S$ Methanesulphonyl-*p*-nitroaniline (MORGAN, PICKARD, and MICKLETHWAIT), T., 61.

$C_7H_{10}O_2N_2S$ Methanesulphonyl-*p*-phenylenediamine and its hydrochloride (MORGAN, PICKARD, and MICKLETHWAIT), T., 61.

C_8 Group.

$C_8H_4O_3$ Phthalic anhydride, rate of hydration of (RIVETT and SIDGWICK), T., 1677; P., 200.

$C_8H_8O_2$ Anisaldehyde, condensation of, with resorcinol (POPE and HOWARD), T., 972; P., 88.

$C_8H_8O_3$ 4-Methoxy-2:5-toluquinone (LUFF, PERKIN, and ROBINSON), T., 1137; P., 132.

$C_8H_{10}O_3$ 4-Methoxy-2:5-toluquinol (LUFF, PERKIN, and ROBINSON), T., 1137.

$C_8H_{11}N$ Ethylaniline, absorption spectrum of (PURVIS), T., 1551.

Dimethylaniline, absorption spectrum of (PURVIS), T., 1551.

o-3-, and *m*-2-Xylidine, absorption spectra of (PURVIS), T., 1552.

2:4:6-Trimethylpyridine, absorption spectrum of the vapour of (PURVIS), T., 704.

$C_8H_{12}O_2$ *d*-1-Methyl-Δ^1-*cyclo*hexene-3-carboxylic acid (PERKIN), P., 97.

dl-, *d*-, and *l*-1-Methyl-Δ^5-*cyclo*hexene-3-carboxylic acids, and calcium salt of the first (PERKIN), T., 2138, 2140, 2142.

$C_8H_{12}O_3$ 1-Methyl*cyclo*hexan-2-one-3-carboxylic acid (GARDNER, PERKIN, and WATSON), T., 1765; P., 137.

dl-, and *d*-1-Methyl*cyclo*hexan-3-one-4-carboxylic acids (GARDNER, PERKIN, and WATSON), T., 1767; P., 137.

1-Methyl*cyclo*hexan-4-one-3-carboxylic acid (GARDNER, PERKIN, and WATSON), T., 1769; P., 137.

$C_8H_{12}O_6$ Pentane-$\alpha\beta\delta$-tricarboxylic acid (HOPE and PERKIN), P., 178.

*iso*Pentane-$\alpha\beta\delta$-tricarboxylic acid (HOPE and PERKIN), P., 179.

$C_8H_{14}O_3$ 1-Methyl*cyclo*hexan-2-ol-3-carboxylic acid (GARDNER, PERKIN, and WATSON), T., 1766.

dl-, and *d*-1-Methyl*cyclo*hexan-3-ol-4-carboxylic acids (GARDNER, PERKIN, and WATSON), T., 1767.

1-Methyl*cyclo*hexan-4-ol-3-carboxylic acid (GARDNER, PERKIN, and WATSON), T., 1770; P., 137.

$C_8H_{14}O_4$ Acid, from oxidation of carpaine (BARGER), T., 471.

$C_8H_{17}N$ Coniine, absorption spectra of (PURVIS), T., 1035; P., 113.

8 III

$C_8H_4O_4Cl_2$ 3:5-Dichloro-*o*-phthalic acid, synthesis of (CROSSLEY and WREN), T., 98; P., 8.

$C_8H_6O_8N_6$ 2:5-Dinitro-4-acetylamino-3-triazophenol (MELDOLA and KUNTZEN), P., 340.

$C_8H_6O_8N_4$ 2:3:5-Trinitro-4-acetyl-aminophenol, metallic salts of, and absorption spectrum of (MELDOLA and KUNTZEN), T., 444; P., 58.

$C_8H_7ON_3$ Triazoacetophenone, and its derivatives (FORSTER and MÜLLER), T., 140.

$C_8H_7O_2N_3$ Phenyltriazoacetic acid (FORSTER and MÜLLER), T., 138; P., 4.

$C_8H_7O_2Cl$ ω-Chloro-*o*-hydroxyacetophenone (TUTIN), T., 2504.

$C_8H_7O_4N$ 3-Nitro-7-methylsalicylaldehyde (CLAYTON), T., 1405.

5-Nitro-4-methylsalicylaldehyde (CLAYTON), T., 1406.

$C_8H_7O_4N_3$ ω-Triazogallacetophenone (BARGER and EWINS), T., 2260.

$C_8H_7O_5N$ 5-Nitro-4-methylsalicylic acid (CLAYTON), T. 1402.

$C_8H_8ON_2$ Phenyliminoacetamide (FORSTER and MÜLLER), T., 140.

$C_8H_8ON_4$ Triazoacetophenoneoxime (FORSTER and MÜLLER), T., 141.

$C_8H_8O_4N_2$ Oxime of 5-nitro-4-methylsalicylaldehyde (CLAYTON), T., 1406.

$C_8H_9ON_5$ Phenyltriazomethylcarbamide (FORSTER and MÜLLER), T., 1065; P., 113.

$C_8H_9O_2N$ ω-Amino-*p*-hydroxyacetophenone, hydriodide of (TUTIN), T., 2520.

α-Cyano-Δ^1-*cyclo*penteneacetic acid (HARDING and HAWORTH), T., 489; P., 61.

$C_8H_9O_3N$ ω-Amino-*op*-dihydroxyacetophenone, and its salts, (TUTIN), T., 2513; P., 245.

ω-Amino-*mp*-dihydroxyacetophenone, hydriodide of (TUTIN), T., 2520; P., 244.

$C_8H_9O_4N$ 5-Nitro-2-ethoxybenzaldehyde (CLAYTON), T., 2109.

ω-Aminogallacetophenone, hydrochloride of (BARGER and EWINS), T., 2261; P., 248.

$C_8H_{10}O_2N_2$ Substance, from phenyltriazomethylcarbamide and sodium carbonate (FORSTER and MÜLLER), T., 1065.

$C_8H_{10}O_3N$ 2:3:4-Trihydroxy-β-phenylethylamine, hydrochloride of (BARGER and EWINS), T., 2260; P., 248.

$C_8H_{11}OCl$ 5-Chloro-1:1-dimethyl-Δ^4-*cyclo*hexen-3-one, interaction of ethyl cyanoacetate and (CROSSLEY and GILLING), T., 518; P., 53.

$C_8H_{11}O_2N$ Ethyl 1-cyano*cyclo*butane-1-carboxylate, preparation of pure (CAMPBELL and THORPE), T., 2421.

3:4-Dihydroxy-β-phenylethylamine, preparation of, and its hydrobromide (BARGER and EWINS), T., 2257; P., 248.

$C_8H_{12}O_2N_2$ Ethyl β-imino-α-cyanovalerate (CAMPBELL and THORPE), T., 1308.

$C_8H_{12}O_2Br_2$ 3:4-Dibromo-1-methyl*cyclo*hexane-3-carboxylic acid (LUFF and PERKIN), T., 2152.

$C_8H_{13}O_2N_3$ 4-Amino-2:4-dimethyl-Δ^2-tetrahydro-6-pyridone-3-carboxylamide, and its silver and barium salts (CHICK and WILSMORE), T., 1993; P., 217.

$C_8H_{13}O_2Br$ 4-Bromo-1-methyl*cyclo*hexane-3-carboxylic acid (LUFF and PERKIN), T., 2153.

$C_8H_{13}O_3N_3$ Ethyl α-triazoethylacetoacetate (FORSTER and NEWMAN), T., 1365; P., 197.

$C_8H_{13}O_4N_3$ Ethyl methyltriazomalonate (FORSTER and MÜLLER), T., 132; P., 4.

$C_8H_{14}O_3N_6$ Semicarbazone of ethyl α-triazomethylacetoacetate (FORSTER and NEWMAN), T., 1365.

8 IV

$C_8H_5ON_4K$ Substance, from *p*-triazobenzaldehyde and potassium cyanide (FORSTER and JUDD), T., 260.

$C_8H_7O_3I_3S$ Ethyl 2:3:5-, 2:4:5-, and 3:4:5-tri-iodobenzenesulphonate (BOYLE), T., 217; P., 4.

$C_8H_5O_3I_2S$ Ethyl 2:4-, 2:5-, 3:4-, and 3:5-di-iodobenzenesulphonate (BOYLE), T., 216, 220; P., 4.

C_9 Group.

C_9H_{16} *cyclo*Geraniolene, synthesis of (CROSSLEY and GILLING), T., 2218; P., 252.

9 II

$C_9H_6O_4$ Triketohydrindene hydrate (RUHEMANN), T., 1446, 2025; P., 196, 235.

C_9H_7N Quinoline, absorption spectra of (PURVIS), T., 1035; P., 113; *p*-hydroxyazo-derivatives of (FOX), T., 1337; P., 177.

C_9H_8O α-Hydrindone, preparation of (MITCHELL and THORPE), T., 2274.

$C_9H_8O_3$ Coumarinic acid, constitution of (CLAYTON), T., 2102; P., 230.

$C_9H_8N_2$ 3-Aminoquinoline, and its salts (MILLS and WATSON), T., 746; P., 56.

$C_9H_8Cl_4$ αβγγ-Tetrachloro-α-phenylpropane (CLARKE), T., 898; P., 96.

C_9H_9Br Cinnamyl bromide (CLARKE), T., 428.

$C_9H_{10}O_2$ 4:5- and 5:6- Dimethylsalicylaldehyde (CLAYTON), T., 1404.

$C_9H_{10}O_3$ α-Hydroxy-α-phenylpropionic acid, optically active, the interconversion of, and its silver salt (MCKENZIE and CLOUGH), T., 1016; P., 85; conversion of, into α-chloro-α-phenylpropionic acid (MCKENZIE and CLOUGH), T., 2564; P., 325.

α-Hydroxy-β-phenylpropionic acids, optically active, interconversion of (MCKENZIE and WREN), T., 1355; P., 181.

d- and *l*-β-Hydroxy-β-phenylpropionic acid (MCKENZIE and HUMPHRIES), T., 123.

5:6-Dimethylsalicylic acid (CLAYTON), T., 1405.

Methyl *l*-mandelate, optically active glycols from (MCKENZIE and WREN), T., 473; P., 54.

$C_9H_{10}N_2$ *p*-Amino-*m*-tolylacetonitrile, and its hydrochloride and oxalate (BARGER and EWINS), T., 2256.

$C_9H_{11}N$ *m*-Xylidine, and its condensation product with acetaldehyde, absorption spectra of (PURVIS), T., 644; P., 56.

$C_9H_{13}N$ Mesidine, absorption spectrum of (PURVIS), T., 1552.

1-Methyl-Δ^2-*cyclo*hexene-3-acetonitrile (HARDING and HAWORTH), T., 495.

$C_9H_{14}O_2$ 1-Methyl-Δ^2-*cyclo*hexene-3-acetic acid (HARDING and HAWORTH), T., 495.

Ethyl Δ^1-*cyclo*penteneacetate (HARDING and HAWORTH), T., 493.

$C_9H_{14}O_4$ Acid, from the sodio-derivative of dimethyl α-thujadicarboxylate, and its silver salt (THOMSON), T., 1515; P., 178.

$C_9H_{16}O_2$ Δ^α-Nonenoic acid, and its derivatives (HARDING and WEIZMANN), T., 299; P., 24.

$C_9H_{16}O_5$ Ethyl *l*-methoxysuccinate (PURDIE and NEAVE), T., 1518.

$\alpha\alpha$-Dipropionin (ALPERN and WEIZMANN), P., 345.

$C_9H_{16}O_6$ α- and β-Fructosemonoacetone (IRVINE and GARRETT), T., 1283; P., 143.

$C_9H_{17}Br$ 3-Bromo-1:1:3-trimethyl*cyclo*hexane (CROSSLEY and GILLING), T., 2220.

$C_9H_{18}O$ 1:1:3-Trimethyl*cyclo*hexan-3-ol (CROSSLEY and GILLING), T., 2220; P., 252.

$C_9H_{18}O_2$ *n*-Nonoic acid, condensation products of, with glycine, alanine and leucine (HOPWOOD and WEIZMANN), P., 69.

$C_9H_{18}O_3$ β-Hydroxy-*n*-nonoic acid (HARDING and WEIZMANN), T., 303.

9 III

$C_9H_4O_6N_2$ 3:6- and 6:8-Dinitrocoumarin (CLAYTON), T., 1397.

$C_9H_4O_7N_2$ 6:8-Dinitroumbelliferone (CLAYTON), T., 1401.

$C_9H_5O_5N$ 8-Nitroumbelliferone (CLAYTON), T., 1401.

$C_9H_6OCl_4$ $\alpha\alpha\beta$-Trichloro-β-phenylpropionyl chloride (CLARKE), T., 893; P., 96.

$C_9H_6O_7N_2$ 6:8-Dinitrocoumarinic acid (CLAYTON), T., 1407.

C_9H_7ON 3-Hydroxyquinoline, and its sulphate (MILLS and WATSON), T., 753; P., 56.

8-Hydroxyquinoline, metallic salts of (FOX), T., 1119; P., 134.

$C_9H_7OCl_3$ $\alpha\beta$-Dichloro-β-phenylpropionyl chloride (CLARKE) T., 892; P., 96.

$C_9H_7O_2N$ 8-Aminocoumarin (CLAYTON), T., 1352.

$C_9H_7O_2Cl_3$ $\alpha\alpha\beta$-Trichloro-β-phenylpropionic acid (CLARKE), T., 894; P., 96.

$C_9H_7O_4N_3$ Phenyltriazomalonic acid (FORSTER and MÜLLER), T., 134; P., 4.

$C_9H_7O_4Cl$ α-Chloro-3:4-dihydroxycinnamic acid (CLARKE), T., 897; P., 96.

$C_9H_7O_5N$ 5-Nitrocoumarinic acid, silver salt (CLAYTON), T., 2106.

$C_9H_7O_6N$ 8-Nitro-7-hydroxycoumarinic acid (CLAYTON), T., 1408.

$C_9H_7N_2Cl$ 2-Chloro-3-aminoquinoline (MILLS and WATSON), T., 754; P., 56.

$C_9H_8OCl_2$ *dl*-α-Chloro-α-phenylpropionyl chloride (MCKENZIE and CLOUGH), T., 1021.

$C_9H_8O_2N_2$ *p*-Nitro-*m*-tolylacetonitrile (BARGER and EWINS), T., 2256.

$C_9H_8O_6N_2$ 3:6-Dinitro-4:5-dimethylsalicylaldehyde (CLAYTON), T., 1407.

$C_9H_8O_7N_2$ 3:6-Dinitro-4:5-dimethylsalicylic acid ($+\frac{1}{2}H_2O$) (CLAYTON), T., 1402.

$C_9H_8O_8N_4$ 2:3:5-Trinitro-4-acetylaminoanisole (MELDOLA and KUNTZEN), T., 455; P., 58.

C_9H_9ON *p*-Hydroxy-*m*-tolylacetonitrile (BARGER and EWINS), T., 2256.

$C_9H_9O_2N$ *syn*-Ethylidenesalicylamide (HICKS), T., 1034; P., 92.
2-Methyl-1:3-dihydrobenzoxazine-4-one (HICKS), T., 1032; P., 91.
$C_9H_9O_2N_5$ Phenyltriazomalonamide (FORSTER and MÜLLER), T., 136; P., 4.
$C_9H_9O_2Cl$ *d*- and *l*-α-Chloro-α-phenylpropionic acid (MCKENZIE and CLOUGH), T., 1021.
ω-Chloro-*o*-methoxyacetophenone (TUTIN), T., 2503; P., 244.
$C_9H_9O_2Br$ Benzyl bromoacetate (CLARKE), T., 428.
$C_9H_9O_3N$ Malonanilic acid, preparation of (CHATTAWAY and OLMSTED), T., 939.
$C_9H_9O_4N$ 3-Nitro-4:5- and 5:6-dimethylsalicylaldehyde (CLAYTON), T., 1405.
$C_9H_{10}ON_6$ Triazoacetophenonesemicarbazone (FORSTER and MÜLLER), T., 141.
$C_9H_{11}O_2N$ Methyl α-cyano-Δ^1-*cyclo*penteneacetate (HARDING and HAWORTH), T., 490.
ω-Amino-*p*-methoxyacetophenone, salts of (TUTIN), T., 2509.
$C_9H_{11}O_4N_3$ 2:5-Dinitrodimethyl-*p*-toluidine (MORGAN and CLAYTON), T., 2650; P., 323.
2:6-Dinitrodimethyl-*p*-toluidine (MORGAN and CLAYTON), T., 2652; P., 323.
$C_9H_{11}O_5N_3$ 2:6-Dinitrodimethyl-*p*-anisidine (MELDOLA), P., 232.
$C_9H_{11}O_8N_7$ Guanidine salt of 2:3:5-trinitro-4-acetylaminophenol (MELDOLA and KUNTZEN), T., 452.
$C_9H_{11}NS$ *N*-Methylthiodiphenylamine, mercuri-iodide of (BARNETT and SMILES), T., 985.
$C_9H_{13}ON$ *p*-Hydroxyphenylethylmethylamine, and its hydrochloride picrate, oxalate and picronolate (WALPOLE), T., 945; P., 88.
4-Hydroxy-β-*m*-tolylethylamine, and its salts (BARGER and EWINS), T., 2257; P., 248.
$C_9H_{13}O_2N$ β-Amino-β′-phenoxy*iso*propyl alcohol, and its salts (BOYD), T., 1791; P., 209.
3:4-Dihydroxyphenylethylmethylamine, and its salts (PYMAN), T., 272.
4:5-Dimethoxy-*o*-toluidine (LUFF, PERKIN, and ROBINSON), T., 1134; P., 132.
$C_9H_{13}O_3N$ Ethyl cyano*iso*butyrylacetate, and its silver salt (CAMPBELL and THORPE), T., 1311.
$C_9H_{14}O_2N_2$ Ethyl β-imino-α-cyano*iso*butylacetate (CAMPBELL and THORPE), T., 1311.
$C_9H_{15}OCl$ Δ^α-Nonenoyl chloride (HARDING and WEIZMANN), T., 302.
$C_9H_{15}O_2Br$ Ethyl 1-bromo*cyclo*pentaneacetate (HARDING and HAWORTH), T., 493.
$C_9H_{15}O_3N$ Amide of α-thujadicarboxylic acid, and its ammonium salt (THOMSON), T., 1512.
$C_9H_{15}O_4N_3$ Ethyl ethyltriazomalonate (FORSTER and MÜLLER), T., 133; P., 4.
$C_9H_{16}O_2Br_2$ αβ-Dibromo-*n*-nonoic acid (HARDING and WEIZMANN), T., 304.
$C_9H_{16}O_3N_6$ Semicarbazone of ethyl α-triazoethylacetoacetate (FORSTER and NEWMAN), T., 1366.
$C_9H_{17}ON$ Δ^α-Nonenoamide (HARDING and WEIZMANN), T., 302.

9 IV

$C_9H_6O_3NCl_3$ 2:4:6-Trichloromalonanilic acid (CHATTAWAY and MASON), T., 343.
$C_9H_6O_3NBr_3$ 2:4:6-Tribromomalonanilic acid (CHATTAWAY and MASON), T., 345.
$C_9H_7O_3NCl_2$ 2:4-Dichloromalonanilic acid (CHATTAWAY and MASON), T., 342.

$C_9H_7O_3NBr_2$ 2:4-Dibromomalonanilic acid (CHATTAWAY and MASON), T., 344.

$C_9H_6O_3NCl$ *p*-Chloromalonilic acid (CHATTAWAY and MASON), T., 341.

$C_9H_8O_3NBr$ *p*-Bromomalonanilic acid (CHATTAWAY and MASON), T., 344.

$C_9H_{16}OClBr$ α-Bromo-*n*-nonoyl chloride (HOPWOOD and WEIZMANN), P., 69.

C_{10} Group.

$C_{10}H_8$ Naphthalene, absorption spectrum of (HOMER and PURVIS), T., 280; P., 5; the Friedel-Crafts' reaction applied to (HOMER), T., 1141; P., 11.

$C_{10}H_{10}$ 1:4-Dihydronaphthalene, absorption spectrum of (LEONARD), T., 1246; P., 143.

$C_{10}H_{12}$ 1:2:3:4-Tetrahydronaphthalene, absorption spectrum of (LEONARD), T., 1246; P., 143.

$C_{10}H_{16}$ Terpene, monocyclic, from thymol (HENDERSON and SUTHERLAND), T., 1619; P., 203.

$\Delta^{3:8(9)}$-*p*-Menthadiene, new method of preparation of (PERKIN and WALLACH), T., 1427; P., 194.

dl-$\Delta^{4:8(9)}$-*m*-Menthadiene (PERKIN), T., 2147.

dl-, *d*-, and *l*-$\Delta^{5:8(9)}$-*m*-Menthadiene (PERKIN), T., 2139, 2142.

d-Carvestrene (*sylvestrene*), synthesis of, and its dihydrochloride (PERKIN), P., 97.

$C_{10}H_{18}$ 1:1-Dimethyl-3-ethyl*cyclo*hexene (CROSSLEY and GILLING), T., 2222.

Dihydrocamphene, preparation of (HENDERSON and POLLOCK), T., 1621; P., 203.

Dihydrobornylene, preparation of (HENDERSON and POLLOCK), T., 1621; P., 204.

10 II

$C_{10}H_6O_8$ Mellophanic acid (*benzene*-1:2:3:4-*tetracarboxylic acid*), constitution of (BAMFORD and SIMONSEN), T., 1908; P., 206.

Prehnitic acid (*benzene*-1:2:3:5-*tetracarboxylic acid*), constitution of (BAMFORD and SIMONSEN), T., 1906; P., 206.

$C_{10}H_6N_6$ 2:7-Bistriazonaphthalene (*naphthylene*-2:7-*bisazoimide*) (MORGAN and MICKLETHWAIT), T., 2560; P., 293.

$C_{10}H_7N_3$ 1:2-Naphthylenediazoimine, two isomerides (MORGAN and GODDEN), T., 1718.

$C_{10}H_8O_6$ Methyltrimesic acid, and its silver salt (SIMONSEN), T., 1914; P., 200.

$C_{10}H_8N_2$ 1-Imino-2-cyanohydrindene (MITCHELL and THORPE), T., 2276.

$C_{10}H_9O_3$ *d*-β-Phenyl-β-methylglycidic acid, sodium salt (WOOTTON), T., 409; P., 44.

$C_{10}H_{10}O$ 2-Methyl-1-hydrindone (MITCHELL and THORPE), T., 2275.

$C_{10}H_{10}O_6$ *m*-Hemipinic acid, preparation of (LUFF, PERKIN, and ROBINSON), T., 1136; P., 132.

$C_{10}H_{12}O_2$ 3:5-Diethyl-*p*-benzoquinone (HENDERSON and BOYD), T., 1664.

$C_{10}H_{12}O_3$ Methyl *l*-phenylmethoxyacetate (MCKENZIE and WREN), T., 484.

$C_{10}H_{12}O_4$ β-5-Hydroxy-3-methoxyphenylpropionic acid (SALWAY), T., 2417.

2:3:4-Trimethoxybenzaldehyde (BARGER and EWINS), T., 2258.

$C_{10}H_{12}O_5$ Asaronic acid, preparation of (LUFF, PERKIN, and ROBINSON), T., 1138; P., 133.

$C_{10}H_{12}N_2$ 3-β-Aminoethylindole, syntheses of (EWINS and LAIDLAW), P., 343.

$C_{10}H_{13}N$ 2-Methyltetrahydroquinoline (*tetrahydroquinaldine*), racemic, resolution of (POPE and READ) T., 2199; P., 251.

d- and *l*-2-Methyltetrahydroquinoline, and their hydrochlorides (POPE and READ), T., 2203.

$C_{10}H_{14}O$ Methylpropylphenol (HENDERSON and BOYD), T., 1669.

$C_{10}H_{14}O_2$ *l*-αβ-Dihydroxy-α-phenyl*iso*butane (MCKENZIE and WREN), T., 481. 3:5-Diethylquinol (HENDERSON and BOYD), T., 1665.

$C_{10}H_{14}O_3$ 2:4:5-Trimethoxytoluene (LUFF, PERKIN, and ROBINSON), T., 1137; P., 133.

$C_{10}H_{14}O_4$ Tetrahydroxy*tert.*-butylbenzene (HENDERSON and BOYD), T., 1665.

Tetrahydroxycymene (HENDERSON and BOYD), T., 1663.

$C_{10}H_{14}N_2$ Nicotine, absorption spectra of (PURVIS), T., 1035; P., 113.

$C_{10}H_{15}N$ Diethylaniline, absorption spectrum of (PURVIS), T., 1551.

α-1-Methyl-Δ^2-*cyclo*hexene-3-propionitrile (HARDING and HAWORTH), T., 496.

$C_{10}H_{16}O$ Camphor, vapour pressure of (VANSTONE), T., 429; P., 47; absorption spectra of the acyl-derivatives of (LOWRY and SOUTHGATE), T., 905; P., 68; freezing-point curve for mixtures of, and phenol (WOOD and SCOTT), T., 1573; P., 194; mercury compounds of, action of halogens on (MARSH), T., 2410; P., 297.

Tanacetone (*β-thujone*), and its derivatives (THOMSON), T., 1502; P, 177.

$C_{10}H_{16}O_2$ α-1-Methyl-Δ^2-*cyclo*hexene-3-propionic acid (HARDING and HAWORTH), T., 497.

Ethyl *d*-1-methyl-Δ^1-*cyclo*hexene-3-carboxylate (PERKIN), P., 97.

Ethyl 1-methyl-Δ^4-*cyclo*hexene-3-carboxylate (PERKIN), T., 2146.

Ethyl *dl*-, *d*-, and *l*-1-methyl-Δ^5-*cyclo*hexene-3-carboxylate (PERKIN), T., 2139, 2140, 2143.

$C_{10}H_{16}O_3$ Ethyl *dl*- and *d*-methyl*cyclo*hexan-3-one-4-carboxylates (GARDNER, PERKIN, and WATSON), T., 1767.

$C_{10}H_{16}O_4$ Camphoric acid, Komppa's synthesis of (BLANC and THORPE), T., 836; P., 83; synthesis of (KOMPPA), P., 328; mono-aryl esters of (EDMINSON and HILDITCH), T., 224; action of the Grignard reagent on esters of (SHIBATA), T., 1239; P., 141.

*iso*Camphoric acid, action of the Grignard reagent on esters of (SHIBATA), T., 1239; P., 141.

Lactone of α-methyl-γ-hydroxy*iso*propyladipic acid, *cis*- and *trans*- (PERKIN), T., 2144.

$C_{10}H_{18}O$ Borneol, vapour pressure of (VANSTONE), T., 429; P., 47.

Δ^8-*p*-Menthenol(8), new method of preparation of (PERKIN and WALLACH), T., 1427; P., 194.

dl-Δ^4-*m*-Menthenol(8) (PERKIN), T., 2147.

dl-, *d*-, and *l*-Δ^5-*m*-Menthenol(8) (PERKIN), T., 2139, 2141, 2143.

d-Dihydrocarvestrenol (PERKIN), P., 97.

$C_{10}H_{18}O_3$ Ethyl 1-methyl*cyclo*hexan-4-ol-3-carboxylate (GARDNER, PERKIN, and WATSON), T., 1770.

$C_{10}H_{19}Br$ 3-Bromo-1:1-dimethyl-3-ethyl*cyclo*hexane (CROSSLEY and GILLING), T., 2222.

$C_{10}H_{20}O$ 1:1-Dimethyl-3-ethyl*cyclo*hexan-3-ol (CROSSLEY and GILLING), T., 2222.

$C_{10}H_{20}O_2$ Menthane-2:5-diol (HENDERSON and SUTHERLAND), T., 1618; P., 203.

$C_{10}H_{22}O_4$ γδ-Dimethoxy-βε-dimethylhexane-βε-diol (PURDIE and YOUNG), T., 1534; P., 198.

10 III

$C_{10}H_5O_3N$ Substance, from triketohydrindene and hydrogen cyanide (RUHEMANN), T. 2029; P., 235.

$C_{10}H_5O_3Cl_5$ αβ-Dichloro-3:4-dichloromethylenedioxy-β-phenylpropionyl chloride (CLARKE), T., 896; P., 96.

$C_{10}H_5O_5Cl$ α-Chloro-3:4-carbonyldioxycinnamic acid (CLARKE), T., 897; P., 96.

$C_{10}H_6O_2Br_2$ Dibromoscopoletin (MOORE), T., 2229.

$C_{10}H_6O_5Cl_2$ αβ-Dichloro-3:4-carbonyldioxy-β-phenylpropionic acid (CLARKE), T., 896; P., 96.

$C_{10}H_6O_6N_2$ 3:6-Dinitro-7-methylcoumarin (CLAYTON), T., 1398.

$C_{10}H_6N_2Br$ 4-Bromonaphthylene-1-diazo-2-imine (MORGAN and GODDEN), T., 1712.

$C_{10}H_7ON$ 2-Cyano-1-hydrindone (MITCHELL and THORPE), T., 2277.

$C_{10}H_7O_4N$ 6-Nitro-7-methylcoumarin (CLAYTON), T., 1397.

8-Nitro-7-methylcoumarin (CLAYTON), T., 1406.

$C_{10}H_8ON_2$ Quinoline-3-carboxyamide (MILLS and WATSON), T., 745; P., 56.

$C_{10}H_8NI$ 4-Iodo-α-naphthylamine (MORGAN and GODDEN), T., 1717.

$C_{10}H_9O_2N$ Benzoyl-lactonitrile (DAVIS), T., 950; P., 89.

6-Amino-7-methylcoumarin (CLAYTON), T., 1352.

$C_{10}H_9O_2Cl_3$ Methyl ααβ-trichloro-β-phenylpropionate (CLARKE), T., 895; P., 96.

$C_{10}H_9O_3N_3$ Substance, from guanidine and triketohydrindene (RUHEMANN), T., 2028; P., 235.

$C_{10}H_9O_5N$ Methyl ether of 5-nitrocoumaric acid, silver salt of (CLAYTON), T., 2108.

Methyl ether of 5-nitrocoumarinic acid, and silver salt (CLAYTON), T., 2107.

$C_{10}H_9N_2Br$ 4-Bromo-1:2-naphthylenediamine (MORGAN and GODDEN), T., 1710.

$C_{10}H_{10}O_5N_2$ ω-5-Dinitro-2-hydroxy-α-4-dimethylstyrene, and its sodium salt (CLAYTON), T., 1407.

$C_{10}H_{11}O_2N$ 4:5-Dimethoxy-*o*-toluonitrile (LUFF, PERKIN, and ROBINSON), T., 1135; P., 132.

Phenolbetaine of 6:7-dihydroxy-2-methyl-3:4-dihydro*iso*quinolinium hydroxide (and + H_2O and $1\frac{1}{2}H_2O$) (PYMAN), T., 276.

$C_{10}H_{11}O_2N_3$ Ethyl phenyltriazoacetate (FORSTER and MÜLLER), T., 138; P., 4.

$C_{10}H_{11}O_3N$ Malono-*o*- and *p*-toluidic acid, preparation of (CHATTAWAY and OLMSTED), T., 940.

6:7-Dihydroxy-1-keto-2-methyltetrahydro*iso*quinoline (PYMAN), T., 271.

$C_{10}H_{11}O_2Cl$ ω-Chloro-*op*-dimethoxyacetophenone (TUTIN), T., 2512; P., 244.

ω-Chloro-*mp*-dimethoxyacetophenone (TUTIN), T., 2510; P., 244.

$C_{10}H_{12}N_6Fe$ Tetramethyl ferrocyanide, derivatives of (HARTLEY), T., 1066, 1725; P., 90, 210.

$C_{10}H_{13}O_2N$ α-Cyano-1-methyl-Δ^2-*cyclo*hexene-3-acetic acid (HARDING and HAWORTH), T., 494.

Ethyl α-cyano-Δ^1-*cyclo*penteneacetate (HARDING and HAWORTH), T., 489; P., 61.

Methyl α-cyano-α-Δ^1-*cyclo*pentenepropionate (HARDING and HAWORTH), T., 490.

3:5-Diethyl-*p*-benzoquinone oxime (HENDERSON and BOYD), T., 1664.

6:7-Dihydroxy-2-methyltetrahydro*iso*quinoline, and its hydrochloride and picrate (PYMAN), T., 275.

$C_{10}H_{13}O_2Cl$ γ-Chloro-β-hydroxy-α-*o*- and *p*-tolyloxypropane (BOYD and MARLE), T., 1790; P., 208.

$C_{10}H_{15}O_3N$ β-3-Methoxy-4:5-methylenedioxyphenylethylamine, and its hydrochloride (SALWAY), T., 1212.

Ethyl α-cyano-β-*cyclo*butylformylacetate (CAMPBELL and THORPE), T., 2424.

$C_{10}H_{13}O_3N$ β-5-Hydroxy-3-methoxyphenylpropionamide (SALWAY), T., 2417.

6:7-Dihydroxy-2-methyl-3:4-dihydro*iso*quinolinium hydroxide, its chloride, picrate, and sodium salt (PYMAN), T., 276.

$C_{10}H_{14}O_2N_2$ Ethyl β-imino-α-cyano-β-*cyclo*butylpropionate (CAMPBELL and THORPE), T., 2424.

$C_{10}H_{14}O_4N_2$ Ethyl β-imino-α-cyanoglutarate, constitution of (CAMPBELL and THORPE), T., 1299; P., 176.

Ethyl hydrogen β-imino-α′-cyano-αα-dimethylglutarate (CAMPBELL and THORPE), T., 1311.

$C_{10}H_{15}ON$ *p*-Hydroxyphenylethylethylamine, and its oxalate, hydrochloride and picronolate (WALPOLE), T., 948; P., 88.

$C_{10}H_{15}O_2N$ 3:4-Dihydroxyphenylethylethylamine, and its hydrochloride (PYMAN), T., 274.

Camphorimide, *N*-alkyl and aryl derivatives of (WOOTTON), T., 415.

d-Camphorimide, preparation of, and its derivatives (EVANS), T., 2237; P., 251.

$C_{10}H_{16}ON_2$ α-, and β- Camphorquinonehydrazone (FOSTER and ZIMMERLI), T., 2165; P., 245.

$C_{10}H_{16}O_3S_2$ Camphor-β-thiosulphonic acid, and its sodium salt (HILDITCH), T., 1098; P., 96.

$C_{10}H_{16}O_4S$ Camphor-β-sulphonic acid, mono-aryl esters of (EDMINSON and HILDITCH), T., 228.

d- and *l*- Camphor-β-sulphonic acid, *d*- and *l*-pavine and metallic salts of, rotatory power of (POPE and GIBSON), T., 2211; P., 250.

d- and *l*- Camphor-π-sulphonic acid, ammonium salts of (POPE and READ), T., 990.

$C_{10}H_{17}ON$ Dimethylethyl*cyclo*hexanoneoxime (CROSSLEY and GILLING), T., 534.

$C_{10}H_{17}O_3N$ α-Camphoramic acid, alkyl and aryl derivatives of (WOOTTON), T., 413.

$C_{10}H_{19}ON$ 3-Ethoxy-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-propionitrile (CROSSLEY and GILLING), T., 534.

10 IV

$C_{10}H_6O_7N_4Cr_2$ Naphthalene-2:7-bisdiazonium dichromate (MORGAN and MICKLETHWAIT), T., 2558; P., 293.

$C_{10}H_6N_4Cl_6Pt$ Naphthalene-2:7-bisdiazonium platinichloride (MORGAN and MICKLETHWAIT), T., 2558; P., 293.

$C_{10}H_6N_4Cl_8Au$ Naphthalene-2:7-bisdiazonium aurichloride (MORGAN and MICKLETHWAIT), T., 2558; P., 293.

$C_{10}H_7ON_2Cl$ 2-Chloroquinoline-3-carboxylamide (MILLS and WATSON), T. 754; P., 56.

$C_{10}H_8O_8N_4S_2$ Naphthalene-2:7-bisdiazonium sulphate ($+\frac{1}{2}$EtOH) (MORGAN and MICKLETHWAIT), T., 2558; P., 293.

$C_{10}H_{12}O_2NAg$ Silver derivative of α-cyano-β-*cyclo*butylformylacetic acid (CAMPBELL and THORPE), T., 2424.

$C_{10}H_{14}O_2NBr$ *d*-Camphorbromoimide (EVANS), T., 2238.

$C_{10}H_{14}O_2NI$ *d*-Camphoriodoimide (EVANS), T., 2239.

$C_{10}H_{14}O_2NNa$ *d*-Camphorsodioimide (EVANS), T., 2241.

$C_{10}H_{15}O_4BrS$ *d*-Bromocamphorsulphonic acid, *d*- and *l*-narcotine salts of (PERKIN and ROBINSON), P., 131.

dl- and *l*-α-Bromocamphor-π-sulphonic acid, *dl*-, and *d*-pavine salts of (POPE and GIBSON), T., 2209.

C_{11} Group.

$C_{11}H_{10}O_3$ Piperonylideneacetone, isomerides, action of light on (STOBBE and WILSON), T., 1722; P., 206.

$C_{11}H_{10}O_7$ 6-Carboxy-3:4-dimethoxyphenylglyoxylic acid, synthesis of, and distillation of its silver salt (HARDING and WEIZMANN), T., 1129; P., 130.

$C_{11}H_{12}O_5$ 4:5-Dimethyl-*o*-tolylglyoxylic acid (HARDING and WEIZMANN), T., 1128.

$C_{11}H_{14}O_3$ Ethyl *l*-α-hydroxy-α-phenylpropionate (MCKENZIE and CLOUGH), T., 2569; P., 325.

4:5-Dimethoxy-*o*-methylacetophenone (HARDING and WEIZMANN), T., 1128; P., 130.

$C_{11}H_{14}O_4$ β-3:5-Dimethoxyphenylpropionic acid (SALWAY), T., 2417.

$C_{11}H_{16}O_3$ Camphorcarboxylic acid, absorption spectra of, and its derivatives (LOWRY, DESCH, and SOUTHGATE), T., 899; P., 68.

$C_{11}H_{16}O_5$ Ethyl α-acetylglutaconate (SIMONSEN), T., 1914.

Ethyl *cyclo*pentan-1-one-2:5-dicarboxylate (MITCHELL and THORPE), T., 1003.

$C_{11}H_{16}O_7$ αα-Diacetoacetin (ALPERN and WEIZMANN), P., 345.

$C_{11}H_{18}O_3$ *d-iso*Menthonecarboxylic acid (GARDNER, PERKIN, and WATSON), T., 1770.

$C_{11}H_{18}O_4$ Methyl hydrogen camphorate (EDMINSON and HILDITCH), T., 225.

Dimethyl α-thujadicarboxylate (THOMSON), T., 1513; P., 178.

$C_{11}H_{20}O_3$ *d-iso*Mentholcarboxylic acid (GARDNER, PERKIN, and WATSON), T., 1771.

$C_{11}H_{20}O_5$ Propyl *l*-methoxysuccinate (PURDIE and NEAVE), T., 1518.

$C_{11}H_{22}O_3$ Ethyl β-hydroxy-*n*-nonoate (HARDING and WEIZMANN), T., 303.

11 III

$C_{11}H_7O_8N_3$ 3:5:8-Trinitro-6:7-dimethylcoumarin (CLAYTON), T., 1399.

$C_{11}H_8O_6N_2$ 3:6-Dinitro-4:7-dimethylcoumarin (CLAYTON), T., 1398.

5:8-Dinitro-6:7-dimethylcoumarin (CLAYTON), T., 1399.

$C_{11}H_9ON$ 2-Cyano-3-methoxyindene (MITCHELL and THORPE), T., 2278.

$C_{11}H_9O_4N$ 6-Nitro-4:7-dimethylcoumarin (CLAYTON), T., 1398.

8-Nitro-5:6-dimethylcoumarin (CLAYTON), T., 1405.

5-Nitro-6:7-dimethylcoumarin (CLAYTON), T., 1398.

8-Nitro-6:7-dimethylcoumarin (CLAYTON), T., 1405.

$C_{11}H_{10}ON_2$ 3-Acetylaminoquinoline (MILLS and WATSON), T., 753; P., 56.

$C_{11}H_{10}O_3N_6$ Triketohydrindene disemicarbazone (RUHEMANN), T., 1448.

$C_{11}H_{10}O_4N_2$ *m*-Nitrobenzoyl*iso*butyronitrile (DAVIS), T., 951.

$C_{11}H_{11}O_2N$ 6-Amino-4:7-dimethylcoumarin (CLAYTON), T., 1352.

5-Amino-6:7-dimethylcoumarin (CLAYTON), T., 1353.

Benzoyloxy*iso*butyronitrile (DAVIS), T., 951; P., 90.

$C_{11}H_{11}O_5N$ Methyl ether of methyl 5-nitrocoumarate (CLAYTON), T., 2108.

Methyl ether of methyl 5-nitrocoumarinate (CLAYTON), T., 2107.

Ethyl ether of 5-nitrocoumaric acid, and silver salt (CLAYTON), T., 2109.

Ethyl ether of 5-nitrocoumarinic acid, and silver salt (CLAYTON), T., 2107.

$C_{11}H_{11}O_7N$ Oxime of 6-carboxy-3:4-dimethoxyphenylglyoxylic acid (HARDING and WEIZMANN), T., 1130.

$C_{11}H_{12}O_2N_2$ 5:8-Diamino-6:7-dimethylcoumarin (CLAYTON), T., 1354.

$C_{11}H_{13}ON_3$ 2-Methyl-1-hydrindone semicarbazone (MITCHELL and THORPE), T., 2275.

$C_{11}H_{13}O_2N$ Phenolbetaine of 6:7-dihydroxy-2-ethyl-3:4-dihydro*iso*quinolinium hydroxide (PYMAN), T., 280.

$C_{11}H_{13}O_3N$ 7 (or 6)-Hydroxy-1-keto-6 (or 7)-methoxy-2-methyltetrahydro-*iso*quinoline, and its sodium salt (PYMAN), T., 271.

6:7-Dihydroxy-1-keto-2-ethyltetrahydro*iso*quinoline (PYMAN), T., 274.

$C_{11}H_{13}O_4N$ β-3-Methoxy-4:5-methylenedioxyphenylpropionamide (SALWAY), T., 1211.

$C_{11}H_{14}O_4N_2$ Ethyl β-imino-α-cyano-1-carboxy-β-*cyclo*butyl-1-propionate, α- and β-forms of (CAMPBELL and THORPE), T., 2422.

$C_{11}H_{15}ON$ Cyanocarone (CLARKE and LAPWORTH), T., 11.

Substance, from *p*-toluidine and acetaldehyde, α- and β- forms (JONES and WHITE), T., 643; absorption spectra of (PURVIS), T., 646.

$C_{11}H_{15}ON_3$ Camphane-oxytriazine (FOSTER and ZIMMERLI), T., 2176.

$C_{11}H_{15}O_2N$ Acetyl-*p*-hydroxyphenylethylmethylamine (WALPOLE), T., 943.

$C_{11}H_{15}O_3N$ Acetyl derivative of 4:5-dimethoxy-*o*-toluidine (LUFF, PERKIN, and ROBINSON), T., 1135; P., 132.

β-3:5-Dimethoxyphenylpropionamide (SALWAY), T., 2417.

6:7-Dihydroxy-2-ethyl-3:4-dihydro*iso*quinolinium hydroxide, its chloride and picrate (PYMAN), T., 280.

$C_{11}H_{15}O_8N_3$ 5-Nitro-2-acetylamino-dimethyl-*p*-toluidine (MORGAN and CLAYTON), T., 2650; P., 323.

$C_{11}H_{16}O_2N_2$ α-Formylcamphorquinonehydrazone (FOSTER and ZIMMERLI), T., 2168.

Pilocarpine, constitution of (PYMAN), T., 1814; P., 211.

$C_{11}H_{17}ON_3$ 2-Acetyl-2:5-diaminodimethyl-*p*-toluidine (MORGAN and CLAYTON), T., 2651; P., 323.

$C_{11}H_{17}O_2N$ 3:4-Dihydroxyphenylethylpropylamine, and its hydrochloride (PYMAN), T., 275.

Camphorcarboxyamide (GLOVER and LOWRY), P., 162.

d-Camphormethylimide, preparation of (EVANS), T., 2239.

Substance, from action of sodium hydroxide on cyanocarone (CLARKE and LAPWORTH), T., 15.

$C_{11}H_{17}O_2N_3$ Camphorquinone α- and β-semicarbazone (FORSTER and ZIMMERLI), T., 2173; P. 246.

$C_{11}H_{17}O_4N$ Ethyl 2-imino*cyclo*pentane-1:3-dicarboxylate (MITCHELL and THORPE), T., 1002; P., 114.

$C_{11}H_{18}O_3S_2$ Camphoryl methyl-β-disulphoxide (HILDITCH), T., 1098; P., 96.

$C_{11}H_{18}O_4S$ Methyl camphor-β-sulphonate (EDMINSON and HILDITCH), T., 226.

$C_{11}H_{20}O_4N_2$ *d*-Camphor-*p*-nitrobenzylimide (EVANS), T. 2241.

$C_{11}H_{22}O_3N_2$ α-Amino-*n*-nonoylglycine (HOPWOOD and WEIZMANN), P., 70.

11 IV

$C_{11}H_{10}O_3NCl_3$ Ethyl 2:4:6-trichloromalonanilate (CHATTAWAY and MASON), T., 343.

$C_{11}H_{10}O_3NBr_3$ Ethyl 2:4:6-tribromomalonanilate (CHATTAWAY and MASON), T., 345.

$C_{11}H_{11}O_3NCl_2$ Ethyl 2:4-dichloromalonanilate (CHATTAWAY and MASON), T., 342.

$C_{11}H_{11}O_3NBr_2$ Ethyl 2:4-dibromomalonanilate (CHATTAWAY and MASON), T., 344.

$C_{11}H_{11}O_5NBr_2$ Methyl αβ-dibromo-5-nitro-2-methoxy-β-phenylpropionate (CLAYTON), T., 2110.

$C_{11}H_{12}O_3NCl$ Ethyl *p*-chloromalonanilate (CHATTAWAY and MASON), T., 341.

$C_{11}H_{12}O_3NBr$ Ethyl *p*-bromomalonanilate (CHATTAWAY and MASON), T., 344.

$C_{11}H_{14}O_2NCl$ 7 (or 6)-Hydroxy-6 (or 7)-methoxy-2-methyl-3:4-dihydro*iso*quinolinium chloride (PYMAN), T., 278.

$C_{11}H_{14}O_2NI$ 7 (or 6)-Hydroxy-6 (or 7)-methoxy-2-methyl-3:4-dihydro*iso*quinolinium iodide (PYMAN), T., 278.

$C_{11}H_{16}O_2NBr$ Camphorcarboxybromoamide (GLOVER and LOWRY), P., 163.

$C_{11}H_{18}O_2NCl$ 3:4-Dihydroxy-β-phenylethyltrimethylammonium chloride (BARGER and EWINS), T., 2258.

$C_{11}H_{20}O_3NBr$ α-Bromo-*n*-nonoylglycine (HOPWOOD and WEIZMANN), P., 69.

C_{12} Group.

$C_{12}H_9I$ Iodoacenaphthene, and its picrate (CROMPTON and HARRISON), P., 226.

$C_{12}H_{12}O_3$ 5-Hydroxy-4:6:8-trimethylcoumarin (CLAYTON), T., 1403.

Ethyl 1-hydrindone-2-carboxylate (MITCHELL and THORPE), T., 2273; P., 249.

$C_{12}H_{14}O_4$ Hydroxydiacetyldimethoxybenzene (TUTIN and CATON), T., 2065; P., 223.

$C_{12}H_{14}O_6$ Ethyl 6-methyl-2-pyrone-3:5-dicarboxylate, conversion of, into methyltrimesic acid (SIMONSEN), T., 1910; P., 200.

$C_{12}H_{16}O_5$ 2:3:4-Trimethoxy-β-phenylpropionic acid (BARGER and EWINS), T., 2259.

$C_{12}H_{18}O_5$ *d-iso*Menthonedicarboxylic acid (GARDNER, PERKIN, and WATSON), T., 1772.

$C_{12}H_{20}O_4$ Ethyl hydrogen camphorate (EDMINSON and HILDITCH), T., 225.

Dimethyl-*l-iso*camphorate (SHIBATA), T., 1245.

$C_{12}H_{22}O_6$ Trimethylfructosemonoacetone (IRVINE and GARRETT), T., 1283.

$C_{12}H_{24}O_2$ Lauric acid, condensation products of, with glycine, alanine, and leucine (HOPWOOD and WEIZMANN), P., 69.

12 III

$C_{12}H_8OS_2$ Monoxide of diphenylene *p*-disulphide (HILDITCH), T., 2586.

$C_{12}H_8O_2S_2$ Diphenylene *p*-disulphoxide (HILDITCH), T., 2585.

$C_{12}H_8O_4S_2$ Substance, from oxidation of diphenylene *p*-disulphoxide ($+2H_2O$) (HILDITCH), T., 2588.

$C_{12}H_9O_8N_3$ 3:5:8-Trinitro-4:6:7-trimethylcoumarin (CLAYTON), T., 1399.

3:5:7-Trinitro-4:6:8-trimethylcoumarin (CLAYTON), T., 1400.

$C_{12}H_9O_8N_5$ Substance, from *o*- and *m*-nitroanilines and trinitrobenzene (SUDBOROUGH and BEARD), T., 783.

$C_{12}H_9N_4Cl$ Benzeneazobenzenediazonium chloride (HEWITT and THOLE), T., 514; P., 54.

$C_{12}H_{10}O_5N_2$ Substance, from ethyl 1-iminohydrindene-2-carboxylate and nitrous acid (MITCHELL and THORPE), T., 2272.

$C_{12}H_{10}O_6N_2$ 5·7-Dinitro-4:6:8-trimethylcoumarin (CLAYTON), T., 1400.

$C_{12}H_{11}O_3K$ Potassium compound of ethyl 1-hydrindrone-2-carboxylate (MITCHELL and THORPE), T., 2273.

$C_{12}H_{11}O_4N$ 6-Nitro-3:4:7-trimethylcoumarin (CLAYTON), T., 1353.

8-Nitro-4:6:7-trimethylcoumarin (CLAYTON), T., 1399.

5-Nitro-4:6:8-trimethylcoumarin (CLAYTON), T., 1400.

7-Nitro-5:6:8-trimethylcoumarin (CLAYTON), T., 1400.

$C_{12}H_{12}O_5N_2$ 5(or 8)-Nitro-6:7-dimethoxy-2-methyl-1:2-dihydro*iso*quinoline (PYMAN), T., 270.

$C_{12}H_{13}O_2N$ 6-Amino-3:4:7-trimethylcoumarin (CLAYTON), T., 1354.

6-Amino-4:6:7-trimethylcoumarin (CLAYTON), T., 1353.

5-Amino-4.6:8-trimethylcoumarin (CLAYTON), T., 1403.

7-Amino-5:6:8-trimethylcoumarin (CLAYTON), T., 1353.

Ethyl 1-iminohydrindene-2-carboxylate (MITCHELL and THORPE), T., 2271; P., 249.

$C_{12}H_{13}O_5N$ Methyl ether of ethyl 5-nitrocoumarate (CLAYTON), T., 2108.

Ethyl ether of methyl 5-nitrocoumarate (CLAYTON), T., 2109.

Methyl ether of ethyl 5-nitrocoumarinate (CLAYTON), T., 2108.

Ethyl ether of methyl 5-nitrocoumarinate (CLAYTON), T., 2108.

$C_{12}H_{14}O_2N_2$ 5:7-Diamino-4:6:8-trimethylcoumarin (CLAYTON), T., 1354.

$C_{12}H_{15}O_3N$ 3-Methoxy-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-cyanoacetic acid (CROSSLEY and GILLING), T., 530.

6:7-Dihydroxy-1-keto-2-propyltetrahydro*iso*quinoline (PYMAN), T., 275.

$C_{12}H_{15}O_4N$ Cotarnine, synthesis of, and its aurichloride and picrate (SALWAY), T., 1208; P., 98, 138.

*neo*Cotarnine, and its hydrochloride ($+1\frac{1}{2}H_2O$), picrate and aurichloride (SALWAY), T., 1217.

$C_{12}H_{15}NS$ Thiobenzoylpiperidine (RUSSELL), T., 955.

$C_{12}H_{16}O_2N_2$ Nitroso- derivatives of ethylidenexylidine (JONES and WHITE), T., 642.

$C_{12}H_{17}ON$ α-and β-Ethylidenexylidine (JONES and WHITE), T., 639; absorption spectra of (PURVIS), T., 647.

3-Ethoxy-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-acetonitrile (CROSSLEY and GILLING), T., 531.

$C_{12}H_{17}O_2N$ Acetyl-*p*-methoxyphenylethylmethylamine (WALPOLE), T., 943.

Ethyl α-cyano-1-methyl-Δ^2-*cyclo*hexene-3-acetate (HARDING and HAWORTH), T., 494.

Methyl α-cyano-α-1-methyl-Δ^2-*cyclo*hexene-2-propionate (HARDING and HAWORTH), T., 496.

$C_{12}H_{17}O_3N$ Mannoseanilide (IRVINE and MCNICOLL), T., 1453.

$C_{12}H_{18}ON_2$ Oxime of ethylidenexylidine (JONES and WHITE), T., 640.

$C_{12}H_{18}ON_4$ Cyanocaronesemicarbazide (CLARKE and LAPWORTH), T., 14.

$C_{12}H_{18}O_2N_2$ α- and β-Acetylcamphorquinonehydrazone (FORSTER and ZIMMERLI), T., 2168.

$C_{12}H_{18}O_4N_2$ Ethyl β-imino-α′-cyano-αα′-dimethylglutarate, α- and β-forms of (CAMPBELL and THORPE), T., 1309; P., 176.

2:3:4-Trimethoxy-β-phenylpropionylhydrazide, hydrochloride of (BARGER and EWINS), T., 2260.

$C_{12}H_{19}O_2N$ *d*-Camphorethylimide (EVANS), T., 2240.

$C_{12}H_{20}O_4S$ Ethyl camphor-β-sulphonate (EDMINSON and HILDITCH), T., 226.

$C_{12}H_{21}O_3N$ Ethyl α-camphoramic acid (WOOTTON), T., 413.

12 IV

$C_{12}H_5NCl_4S$ Tetrachlorothiodiphenylamine (PAGE and SMILES), T., 1118.

Trichlorophenazothionium chloride ($+H_2O$) (BRADY and SMILES), 1565.

$C_{12}H_6O_6N_4Br_4$ Substance, from 2:3:4:6-tetrabromoaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 782.

$C_{12}H_7O_6N_4Cl_3$ Substance, from *s*-trichloroaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 781.

$C_{12}H_7O_6N_4Br_3$ Substance, from 2:4:6-tribromoaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 782.

$C_{12}H_8ON_3Br$ 4-Bromo-2-acetylnaphthylene-1-diazo-2-imide (MORGAN and GODDEN), T., 1713.

$C_{12}H_8O_2Cl_2S$ *p*-Chlorophenol sulphide (GAZDAR and SMILES), T., 2252.

$C_{12}H_8O_3Cl_2S$ *o*- and *p*-Chlorophenol sulphoxide (GAZDAR and SMILES), T. 2251.

$C_{12}H_8O_6N_4Cl_2$ Substance, from 2:4-dichloroaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 781.

$C_{12}H_8O_6N_4Br_2$ Substance, from 2:4- and 2:6-dibromoaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 782.

$C_{12}H_8NBrS$ Bromothiodiphenylamine (PAGE and SMILES), T., 1118.

$C_{12}H_9ONS$ Phenazothionium hydroxide, intramolecular rearrangement of the halides of (PAGE and SMILES), T., 1112; P., 133.

$C_{12}H_9O_3N_3S$ 1-Phenyl-1:2:3-benzotriazole-5-sulphonic acid (SCHWALBE and WOLFF), P., 340.

$C_{12}H_9O_6NS_2$ Carbazoledisulphonic acid (SCHWALBE and WOLFF), P., 340.

$C_{12}H_9O_6N_4Cl$ Substance, from *o*-, *m*- and *p*-chloroaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 781.

$C_{12}H_9O_6N_4Br$ Substance, from *o*-, *m*- and *p*-bromoaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 781.

$C_{12}H_{10}O_6N_2S_2$ Aminocarbazoledisulphonic acid (SCHWALBE and WOLFF), P., 340.

$C_{12}H_{11}O_4N_3S_2$ Carbazoledisulphonamide (SCHWALBE and WOLFF), P., 340.

$C_{12}H_{13}O_5NBr_2$ Methyl $\alpha\beta$-dibromo-5-nitro-2-ethoxy-β-phenylpropionate (CLAYTON), T., 2110.

$C_{12}H_{18}N_6Cl_2Fe$ Hexamethylferrocyanogen chloride (HARTLEY), T., 1729.

12 V

$C_{12}H_5ONCl_4S$ Tetrachlorodiphenylamine *o*-sulphoxide (BRADY and SMILES), T., 1560.

Tetrachlorophenazothionium hydroxide ($+H_2O$) (BRADY and SMILES), T., 1562.

$C_{12}H_6ONCl_3S$ Trichlorodiphenylamine *o*-sulphoxide, and its hydrochloride (BRADY and SMILES), T., 1564.

$C_{12}H_6O_5N_2ClS$ Chlorodinitrodiphenylamine sulphoxide (PAGE and SMILES), T., 1116.

$C_{12}H_6O_7N_2Cl_2S$ *p*-Chloronitrophenol sulphoxide (GAZDAR and SMILES), T., 2252.

$C_{12}H_7O_4NCl_2S_2$ Carbazoledisulphonyl chloride (SCHWALBE and WOLFF), P., 340.

$C_{12}H_{18}O_4N_6SFe$ Hexamethylferrocyanogen sulphate ($+EtOH$) (HARTLEY), T., 1729.

$C_{12}H_{18}N_6Cl_6FePt$ Platinichloride of substance, from potassium ferrocyanide and methyl sulphate (HARTLEY), T., 1072, 1725.

$C_{12}H_{20}O_8N_6S_2Fe$ Substance, from potassium ferrocyanide and methyl sulphate (HARTLEY), T., 1070, 1725.

C_{13} Group.

$C_{13}H_{10}O_3$ Substance, from the condensation of *cyclo*butan-1:3-dione in the presence of quinoline (CHICK and WILSMORE), T., 1998; P., 217.

$C_{13}H_{11}N_5$ *p*-Triazobenzaldehydephenylhydrazone (FORSTER and JUDD), T. 260.

$C_{13}H_{12}O_3$ 2:4-Dihydroxybenzhydrol, and its potassium salt (POPE and HOWARD), T., 80.

$C_{13}H_{14}O_2$ 6:7-Dimethoxy-1-methylnaphthalene (LUFF, PERKIN, and ROBINSON), T., 1140; P., 133.

$C_{13}H_{14}O_3$ Ethyl 2-methyl-1-hydrindone-2-carboxylate (MITCHELL and THORPE), T., 2274.

$C_{13}H_{14}O_6$ Methyl methyltrimesate (SIMONSEN), T., 1915.

$C_{13}H_{22}O_2$ Diethyl*apo*campholide (SHIBATA), T., 1242.

$C_{13}H_{22}O_4$ *n*-Propyl hydrogen camphorate (EDMINSON and HILDITCH), T., 225.

Diethyl α-thujadicarboxylate (THOMSON), T., 1514; P., 178.

13 III

$C_{13}H_8OS$ Thioxanthone, new syntheses of (DAVIS and SMILES), T., 1296; P., 93, 174; (SMILES), P., 342.

$C_{13}H_8O_2S$ Hydroxythioxanthone ($+\frac{1}{2}H_2O$) (DAVIS and SMILES), T., 1297; P., 174.

$C_{13}H_{10}ON_4$ *p*-Triazobenzylidene-*p*-aminophenol (FORSTER and JUDD), T., 260; P., 28.

$C_{13}H_{10}O_2S$ Diphenylmethane *o*-sulphoxide, intramolecular rearrangements of (HILDITCH and SMILES), P., 174.

$C_{13}H_{10}O_8N_4$ Substance, from *o*- and *p*-aminobenzoic acid and trinitrobenzene (SUDBOROUGH and BEARD), T., 786.

$C_{13}H_{12}O_2N_2$ Ethyl α-*o*-dicyano-β-phenylpropionate (MITCHELL and THORPE), T., 2275.

$C_{13}H_{12}O_7N_4$ Substance, from *o*- and *p*-anisidine and trinitrobenzene (SUDBOROUGH and BEARD), T., 785.

$C_{13}H_{12}NI$ *N*-Methyldiphenylamine hydriodide, mercuri-iodide of (BARNETT and SMILES), T., 984.

$C_{13}H_{12}N_2S_2$ Immedial-indone, constitution of (FRANK), T., 2014; P., 218.

$C_{13}H_{14}O_6N_6$ Substance, from triaminotoluene and trinitrobenzene (SUDBOROUGH and BEARD), T., 787.

$C_{13}H_{15}O_2N$ α-Benzoyloxy*iso*hexonitrile (DAVIS), T., 951; P., 89.

$C_{13}H_{15}O_3N_3$ Semicarbazone of ethyl 1-hydrindone-2-carboxylate (MITCHELL and THORPE), T., 2274.

$C_{13}H_{15}O_4N_3$ Ethyl phenyltriazomalonate (FORSTER and MÜLLER), T., 135; P., 4.

$C_{13}H_{15}O_5N$ Ethyl ether of ethyl 5-nitrocoumarinate (CLAYTON), T. 2107.

$C_{13}H_{16}O_5N_2$ Ethyl 4-cyano-2-keto-4-carbethoxytetrahydropyrrolidene-5-α-propionate (CAMPBELL and THORPE), T., 1314.

$C_{13}H_{17}O_2N_3$ Acetyl derivative of camphane-oxytriazine (FORSTER and ZIMMERLI), T., 2177.

$C_{13}H_{17}O_3N$ 3-Ethoxy-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-cyanoacetic acid (CROSSLEY and GILLING), T., 531.

Ethyl 3-hydroxy-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-cyanoacetate, and its silver salt (CROSSLEY and GILLING), T., 527.

$C_{13}H_{17}O_4N_3$ Ethyl 2-imino-4-cyano-4-carbethoxytetrahydropyrrolidene-5-α-propionate (CAMPBELL AND THORPE), T., 1313.

$C_{13}H_{18}O_4N_2$ Ethyl β-imino-α-cyano-1-carbethoxy-β-*cyclo*butyl-1-propionate (CAMPBELL and THORPE), T., 2422.

$C_{13}H_{19}ON$ α- and β-isomeride, from ψ-cumidine and acetaldehyde (JONES and WHITE), T., 643.

$C_{13}H_{19}O_3N$ Gynocardin, and its sodium salt (MOORE and TUTIN), T., 1285; P., 182.

$C_{13}H_{21}O_2N$ Camphor-*n*-propylimide (WOOTTON), T., 415.

$C_{13}H_{21}O_3N$ Allyl-α-camphoramic acid (WOOTTON), T., 413.
$C_{13}H_{23}O_3N$ *n*-Propyl-α-camphoramic acid (WOOTTON), T., 413.

13 IV

$C_{13}H_9O_5N_3S$ Dinitro-*N*-methylphenazothionium hydrate (BARNETT and SMILES), T., 191.
$C_{13}H_9O_8N_4K$ Substance, from potassium *o*-, *m*-, and *p*-aminobenzoate and trinitrobenzene (SUDBOROUGH and BEARD), T., 786.
$C_{13}H_{10}O_4N_6S_2$ Methanedisulphonylbis-*p*-phenylenediazoimide (MORGAN, PICKARD, and MICKLETHWAIT), T., 60.
$C_{13}H_{10}NClS$ Chloro-*N*-methylthiodiphenylamine (PAGE and SMILES), T., 1116.
$C_{13}H_{11}ONS$ *N*-Methyldiphenylamine *o*-sulphoxide (BARNETT and SMILES), T., 188.
N-Methylphenazothionium, platinichloride of (BARNETT and SMILES), T., 189.
$C_{13}H_{11}O_2N_3S$ Toluene-ω-sulphonyl-*p*-phenylenediazoimide (MORGAN and PICKARD), T., 57.
$C_{13}H_{12}O_4N_2S$ Toluene-ω-sulphonyl-*p*-nitroaniline (MORGAN and PICKARD), T., 56.
$C_{13}H_{12}O_8N_4S_2$ Methanedisulphonylbis-*p*-nitroaniline (MORGAN, PICKARD, and MICKLETHWAIT), T., 58.
$C_{13}H_{12}O_{10}N_8S_2$ Methanedisulphonylbis-*p*-aminobenzenediazonium nitrate (MORGAN, PICKARD, and MICKLETHWAIT), T., 58.
$C_{13}H_{12}NIS$ *S*-Methyldiphenylamine-*o*-sulphonium iodide, mercuri-iodide of (BARNETT and SMILES), T., 983.
$C_{13}H_{13}ONS$ *S*-Methylphenazothionium hydroxide, hydrochloride and platinichloride of (BARNETT and SMILES), T., 986.
$C_{13}H_{14}O_2N_2S$ Toluene-ω-sulphonyl-*p*-phenylenediamine (MORGAN and PICKARD), T., 56.
$C_{13}H_{15}O_5N_2Ag$ Silver compound of ethyl 4-cyano-2-keto-4-carbethoxytetrahydropyrrolidene-5-α-propionate (CAMPBELL and THORPE), T., 1314.
$C_{13}H_{15}O_5N_2K$ Potassium compound of ethyl 4-cyano-2-keto-4-carbethoxytetrahydropyrrolidene-5-α-propionate (CAMPBELL and THORPE), T., 1314.
$C_{13}H_{16}O_4N_4S_2$ Methanedisulphonylbis-*p*-phenylenediamine (MORGAN, PICKARD, and MICKLETHWAIT), T., 58.

13 V

$C_{13}H_8O_8N_3ClS$ Chlorodinitro-*N*-methyldiphenylamine *o*-sulphoxide (PAGE and SMILES), T., 1117.
$C_{13}H_{12}O_4N_6Cl_2S_2$ Methanedisulphonylbis-*p*-aminobenzenediazonium chloride (MORGAN, PICKARD, and MICKLETHWAIT), T., 58.

C_{14} Group.

$C_{14}H_{16}$ Tetramethylnaphthalene, absorption spectrum of (HOMER and PURVIS), T., 280; P., 5.

14 II

$C_{14}H_6Cl_8$ 3:4:3′:4′-Tetrachlorotolane tetrachloride (KENNER and WITHAM), T., 1964.
$C_{14}H_8O_2$ Phenanthraquinone, condensations of, with ethyl malonate and ethyl acetoacetate (RICHARDS), T., 1456; P., 195.

$C_{14}H_8Cl_2$ 4:4′-Dichlorotolane (KENNER and WITHAM), T., 1965; P., 219.

$C_{14}H_8Cl_4$ *cis*- and *trans*-4:4′-Dichlorotolane dichloride (KENNER and WITHAM), T., 1964; P., 219.

$C_{14}H_8Cl_6$ 4:4′-Dichlorotolane tetrachloride (KENNER and WITHAM), T., 1963; P., 219.

$C_{14}H_{12}O_2$ Benzoin, substituted indoles from (RICHARDS), T., 977; P., 92.

l-Benzoin, optically active glycols from (MCKENZIE and WREN), T., 473; P., 54.

$C_{14}H_{12}O_6$ Substance, from red clover flowers (POWER and SALWAY), T., 243; P., 20.

$C_{14}H_{14}O_4$ 2:4-Dihydroxy-4′-methoxybenzhydrol, and its dipotassium salt (POPE and HOWARD), T., 972; P., 88.

$C_{14}H_{14}O_8$ Methyl mellophanate (BAMFORD and SIMONSEN), T., 1909.

$C_{14}H_{14}S_2$ Benzyl disulphide (SMYTHE and FORSTER), T., 1196.

$C_{14}H_{14}S_3$ Benzyl trisulphide, and its additive compound with silver nitrate (SMYTHE and FORSTER), T., 1196; P., 135.

$C_{14}H_{14}S_4$ Benzyl tetrasulphide (SMYTHE and FORSTER), T., 1198; P., 136.

$C_{14}H_{15}N$ α-Phenyl-Δ^1-*cyclo*hexene-1-acetonitrile (HARDING and HAWORTH), T., 497.

$C_{14}H_{16}O_3$ Piperonylidenepinacoline (BOON and WILSON), T., 1753; P., 208.

$C_{14}H_{16}O_6$ Acetoxydiacetyldimethoxybenzene (TUTIN and CATON), T., 2066.

$C_{14}H_{20}O_5$ Ethyl 2:3:4-trimethoxy-β-phenylpropionate (BARGER and EWINS), T., 2259.

$C_{14}H_{22}O$ 1:4′-Dimethyl-3-*cyclo*hexylidene*cyclo*hexan-4-one (LUFF and PERKIN), T., 2155.

$C_{14}H_{24}O_2$ Diethylcampholide (SHIBATA), T., 1241.

$C_{14}H_{24}O_3$ Methyl 1:2:3-trimethyl-3-*iso*butyryl*cyclo*pentane-1-carboxylate (SHIBATA), T., 1244; P., 142.

$C_{14}H_{24}O_4$ *n*-Butyl hydrogen camphorate (EDMINSON and HILDITCH), T., 226.

$C_{14}H_{24}O_6$ Ethyl pentane-αβδ-tricarboxylate (HOPE and PERKIN), P., 178.

Ethyl *iso*pentane-αβδ-tricarboxylate (HOPE and PERKIN), P., 179.

14 III

$C_{14}H_6O_2Cl_2$ 1:4-Dichloroanthraquinone (WALSH and WEIZMANN), T., 687; P., 61.

$C_{14}H_8O_2Cl_2$ 4:4′-Dichlorobenzil (KENNER and WITHAM), T., 1967.

$C_{14}H_9O_2N$ 2-Phenyl-1:3-benzoxazine-4-one (TITHERLEY), T., 200; P., 9.

$C_{14}H_{10}OS$ Methylthioxanthone (DAVIS and SMILES), T., 1297; P., 174.

$C_{14}H_{10}O_2N_4$ Benzoyl derivative of *p*-triazobenz-*anti*-aldoxime (FORSTER and JUDD), T., 259.

$C_{14}H_{10}O_2S$ Methoxythioxanthone (DAVIS and SMILES), T., 1297; P., 174.

$C_{14}H_{10}O_6S_2$ Di-*o*-carboxyphenyl disulphoxide (HILDITCH), T., 2591.

$C_{14}H_{11}O_2N$ Dibenzamide, action of phosphorus pentachloride on (TITHERLEY and WORRALL), T., 839; P., 93.

$C_{14}H_{12}O_2S_2$ Ditolylene *p*-disulphoxide (HILDITCH), T., 2591.

$C_{14}H_{12}O_7N_4$ Substance, from *p*-aminoacetophenone and trinitrobenzene (SUDBOROUGH and BEARD), T., 786.

$C_{14}H_{12}O_8N_4$ Substance, from methyl *o*- and *p*-aminobenzoate and trinitrobenzene (SUDBOROUGH and BEARD), T., 785.

$C_{14}H_{12}N_5Br$ Triazoacetophenonebromophenylhydrazone (FORSTER and MÜLLER), T., 141.

$C_{14}H_{13}O_3N_3$ *o*-, *m*-, and *p*-Nitrobenzeneazophenetole (BALY, TUCK, and MARSDEN), T., 1501.

2-Nitro-4′-acetylbenzidine (CAIN and MAY), T., 725.

Phenylhydrazone of 5-nitro-4-methylsalicylaldehyde (CLAYTON), T., 1407.

$C_{14}H_{14}O_2S$ *p*-Cresol sulphide (GAZDAR and SMILES), T., 2250.

$C_{14}H_{14}O_3S$ *p*-Cresol *m*-sulphoxide (GAZDAR and SMILES), T., 2248.

$C_{14}H_{14}O_5N_2$ Substance, from ethyl 1-cyano*cyclo*propane-1-carboxylate (MITCHELL and THORPE), T., 1001.

$C_{14}H_{15}O_3N$ Ethyl *o*-cyano-α-benzylacetoacetate (MITCHELL and THORPE), T., 2278.

$C_{14}H_{15}O_3Br$ Piperonylidenepinacoline monobromide (BOON and WILSON), T., 1753; P., 208.

$C_{14}H_{16}O_3Br_2$ Piperonylidenepinacoline dibromide (BOON and WILSON), T., 1754; P., 208.

$C_{14}H_{17}O_3N$ Oxime of piperonylidenepinacoline (BOON and WILSON), T., 1756; P., 208.

$C_{14}H_{17}O_3N_3$ Semicarbazone of ethyl 2-methyl-1-hydrindone-2-carboxylate (MITCHELL and Thorpe), T., 2275.

$C_{14}H_{18}O_5N_2$ Ethyl 4-cyano-2-keto-4-carbethoxy-1-methyltetrahydropyrrolidene-5-α-propionate (CAMPBELL and THORPE), T., 1315.

$C_{14}H_{19}O_3N$ Ethyl 3-methoxy-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-cyanoacetate, two stereoisomides (CROSSLEY and GILLING), T., 528.

$C_{14}H_{23}ON$ Oxime of 1:4′-dimethyl-3-*cyclo*hexylidene*cyclo*hexan-4-one (LUFF and PERKIN), T., 2156.

$C_{14}H_{21}O_2N$ Camphor-*n*-butylimide (WOOTTON), T., 415.

$C_{14}H_{24}O_3S_2$ Camphoryl *n*-butyl-β-disulphoxide (HILDITCH), T., 1098 P., 96.

$C_{14}H_{25}O_2N$ Carpaine, constitution of (BARGER), T., 466; P., 53.

$C_{14}H_{23}O_3N$ *n*-Butyl-α-camphoramic acid (WOOTTON), T., 413.

$C_{14}H_{27}O_3N$ Carpamic acid, and its hydrochloride (BARGER), T., 469; P. 53.

14 IV

$C_{14}H_5O_4NCl_2$ 1:4-Dichloro-5-nitroanthraquinone (WALSH and WEIZMANN), T., 687.

$C_{14}H_6O_5Cl_2S$ 1:4-Dichloroanthraquinone-6-sulphonic acid, sodium salt of (WALSH and WEIZMANN), T., 688.

$C_{14}H_7O_2NCl_2$ 1:4-Dichloro-5-aminoanthraquinone (WALSH and WEIZMANN), T., 687.

$C_{14}H_8O_2NCl$ 6-Chloro-2-phenyl-1:3-benzoxazine-4-one (TITHERLEY and HUGHES), T., 1376; P., 175.

$C_{14}H_8O_2NBr$ 6-Bromo-2-phenyl-1:3-benzoxazine-4-one (HUGHES and TITHERLEY), P., 344.

$C_{14}H_{10}ONCl$ α-Chloro-*N*-benzoylbenzimide, preparation of, from dibenzamide (TITHERLEY and WORRALL), T., 840; P., 93.

$C_{14}H_{10}O_2NCl$ *syn*-Benzylidene-5-chlorosalicylamide (TITHERLEY and HUGHES), T., 1376; P., 175.

6-Chloro-2-phenyldihydro-1:3-benzoxazine-4-one (TITHERLEY and HUGHES), T., 1374; P., 175.

$C_{14}H_{10}O_2NBr$ *syn*-Benzylidene-5-bromosalicylamide (HUGHES and TITHERLEY), P., 344.

6-Bromo-2-phenyldihydro-1:3-benzoxazine-4-one (HUGHES and TITHERLEY), P., 344.

$C_{14}H_{10}O_3NCl$ *O*- and *N*-Benzoyl-5-chlorosalicylamide (TITHERLEY and HUGHES), T., 1380; P., 175.

$C_{14}H_{10}O_3NBr$ *O*-Benzoyl-5-bromosalicylamide (HUGHES and TITHERLEY), P., 344.

N-Benzoyl-5-bromosalicylamide (HUGHES and TITHERLEY), P., 344.

$C_{14}H_{11}O_9NS_2$ Dicarboxybenzenesulphohydroximic acid (DAVIS and SMILES), T., 1295.

$C_{14}H_{12}ONCl$ Diphenylchloroacetamide (CLARKE), T., 429.

$C_{14}H_{12}ON_2Cl_2$ 2:2′ and 3:3′-Dichloroacetylbenzidine (CAIN and MAY), T., 723.

$C_{14}H_{12}O_6N_2S$ Nitro-*p*-cresol sulphide (GAZDAR and SMILES), T., 2251.

$C_{14}H_{12}O_7N_2S$ Nitro-*p*-cresol sulphoxide (GAZDAR and SMILES), T., 2250.

$C_{14}H_{14}NIS$ *N*-*S*-Dimethyldiphenylamine-*o*-sulphonium iodide, mercuriiodide of (BARNETT and SMILES), T., 985.

$C_{14}H_{15}O_3N_3S$ *p*-Dimethylaminoazobenzene-*p*-sulphonic acid, sodium salt, (*methyl orange*) colour changes of, in acid solution (TIZARD), T., 2477; P., 225.

$C_{14}H_{22}O_3NCl_2$ Substance, from carpaine hydrochloride and chlorine (BARGER) T., 472; P., 53.

14 V

$C_{14}H_{24}O_8N_6S_2Fe$ Hexamethyl ferrocyanogen methyl sulphate (HARTLEY), T., 1726; P., 210.

C_{15} Group.

$C_{15}H_{10}O_6$ Substance, from red clover flowers (POWER and SALWAY), T., 239; P., 20.

$C_{15}H_{12}O_6$ Eriodictyol (2:4:6-*trihydroxyphenyl* 3:4-*dihydroxystyryl ketone*) (TUTIN), T., 2058; P., 222.

$C_{15}H_{16}O_2$ *l*-$\alpha\beta$-Dihydroxy-$\alpha\beta$-diphenylpropane (MCKENZIE and WREN), T., 477.

$C_{15}H_{16}O_3$ 2:4-Dimethoxybenzhydrol (POPE and HOWARD), T., 81.

$C_{15}H_{17}N$ α-Phenyl-1-methyl-Δ^3-*cyclo*hexene-4-acetonitrile (HARDING and HAWORTH), T., 498.

$C_{15}H_{26}O_4$ Di-*n*-propyl α-thujadicarboxylate (THOMSON), T., 1514; P., 178.

$C_{15}H_{29}N_3$ Substance, from ethylidenexylidine and phenylbenzylhydrazine (JONES and WHITE), T., 641.

15 III

$C_{15}H_8ON_2$ Ketohydrindenophenazine (RUHEMANN), T., 1449.

$C_{15}H_8O_3Cl_2$ 1:4-Dichloro-8-hydroxy-5-methylanthraquinone (WALSH and WEIZMANN), T., 690.

1:4-Dichloro-6 (or 5-) -hydroxy-5 (or 6-) -methylanthraquinone (WALSH and WEIZMANN), T., 691.

$C_{15}H_{10}O_3N_4$ 5-*p*-Nitrobenzeneazo-8-hydroxyquinoline, and its hydrochloride and sodium salt (FOX), T., 1343.

$C_{15}H_{10}O_4Cl_2$ 3:6-Dichloro-5′ (or 6′-) -hydroxy-2-*o* (or *m*-) -toluoylbenzoic acid, and its sodium salt (WALSH and WEIZMANN), T., 689.

3:6-Dichloro-3′ (or 2′-) -hydroxy-2-*o* (or *m*-) toluoylbenzoic acid (WALSH and WEIZMANN), T., 691.

$C_{15}H_{10}O_6N_4$ Substance, from quinoline and trinitrobenzene (SUDBOROUGH and BEARD), T., 794.

Substance, from *iso*quinoline and trinitrobenzene (SUDBOROUGH and BEARD), T., 795.

$C_{15}H_{11}ON_3$ Quinolineazophenol, and its hydrochlorides (FOX), T., 1346.

5-Benzeneazo-8-hydroxyquinoline, and its salts, (FOX), T., 1339; P., 177.

$C_{15}H_{11}O_2N$ ω-Amino-*o*-hydroxy-acetophenone, hydriodide (TUTIN), T., 2518; P., 245.

$C_{15}H_{11}O_7N_5$ Substance, from 3-phenylpyrazolone and trinitrobenzene (SUDBOROUGH and BEARD), T., 797.

$C_{15}H_{12}ON_4$ 5-*p*-Aminobenzeneazo-8-hydroxyquinoline, and its salts (FOX), T., 1343.

$C_{15}H_{12}O_6N_4$ Substance, from α-methylindole and trinitrobenzene (SUDBOROUGH and BEARD), T., 796.

$C_{15}H_{13}O_4N$ ω-Benzoylamino-*op*-dihydroxyacetophenone (TUTIN), T., 2516.

$C_{15}H_{14}O_6N_4$ Substance, from tetrahydroquinoline and trinitrobenzene (SUDBOROUGH and BEARD), T., 796.

$C_{15}H_{14}O_7N_4$ Substance, from trinitrobenzene and dimethyl-*p*-aminobenzaldehyde (SUDBOROUGH and BEARD), T., 791.

$C_{15}H_{14}O_8N_4$ Substance, from ethyl *o*- and *p*-aminobenzoate and trinitrobenzene (SUDBOROUGH and BEARD), T., 785.

$C_{15}H_{15}O_2N_3$ Dimethylaminoazobenzene-*o*-carboxylic acid (*methyl red*), colour changes of, in acid solution (TIZARD), T., 2477; P., 225.

$C_{15}H_{15}O_6N_5$ Substance, from acetonephenylhydrazone and trinitrobenzene (SUDBOROUGH and BEARD), T., 793.

$C_{15}H_{15}NS$ Phenylethylthiobenzamide (RUSSELL), T., 957.

$C_{15}H_{17}O_3N$ Benzenesulphonyl-*p*-methoxyphenylethylamine (WALPOLE), T., 946.

Benzoyloscine, resolution of (TUTIN), T., 1793; P., 215.

Benzoyl-*d*-oscine, and its salts (TUTIN), T., 1796; P., 215.

$C_{15}H_{17}O_4N$ Ethyl *o*-cyanobenzylmalonate (MITCHELL and THORPE), T., 2270; P., 249.

$C_{15}H_{19}O_2N$ α-Benzoyloxyoctonitrile (DAVIS), T., 951; P., 89.

$C_{15}H_{19}O_5N$ 3:4-Diacetoxy-*N*-acetylphenylethylmethylamine (PYMAN), T., 273.

$C_{15}H_{21}O_3N$ Ethyl 3-ethoxy-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-cyanoacetate, two stereoisomerides (CROSSLEY and GILLING), T., 529.

$C_{15}H_{23}O_4N$ Trimethyl rhamnoseanilide (IRVINE and MCNICOLL), T., 1455.

$C_{15}H_{23}O_6N$ Ethyl β-cyanopentane-αβδ-tricarboxylate (HOPE and PERKIN), P., 178.

Ethyl β-cyano*iso*pentane-αβδ-tricarboxylate (HOPE and PERKIN), P., 178.

$C_{15}H_{25}O_2N$ Camphor-*n*-amylimide (WOOTTON), T., 415.

$C_{15}H_{27}O_3N$ *n*-Amyl-α-camphoramic acid (WOOTTON), T., 413.

15 IV

$C_{15}H_8O_2N_2Cl_6$ 2:4:6:2′:4′:6′-Hexachloromalonanilide (CHATTAWAY and MASON), T., 342.

$C_{15}H_8O_2N_2Br_6$ 2:4:6:2′:4′:6′-Hexabromomalonanilide (CHATTAWAY and MASON), T., 344.

$C_{15}H_9O_4Cl_2Br$ 3:6-Dichlorobromo-5′ (or 6′-) -hydroxy-2-*o* (or *m*-) -toluoylbenzoic acid (WALSH and WEIZMANN), T., 689.

$C_{15}H_{10}ON_3Br$ 5-*p*-Bromobenzeneazo-8-hydroxyquinoline, and its hydrochlorides (FOX), T., 1342.

$C_{15}H_{10}O_2N_2Cl_4$ 2:4:2′:4′-Tetrachloromalonanilide (CHATTAWAY and MASON), T., 342.

$C_{15}H_{10}O_2N_2Br_4$ 2:4:2′:4′-Tetrabromomalonanilide (CHATTAWAY and MASON), T., 344.

$C_{15}H_{12}O_2N_2Cl_2$ *pp*-Dichloromalonanilide (CHATTAWAY and MASON), T., 340.

$C_{15}H_{12}O_2N_2Br_2$ *pp*-Dibromomalonanilide (CHATTAWAY and MASON), T., 343.

$C_{15}H_{14}O_5N_2S$ Phenetoleazobenzaldehydesulphonic acid, metallic salts of, (GREEN and SEN), T., 2243.

$C_{15}H_{17}O_3NS$ Benzenesulphonyl-*p*-hydroxyphenylethylmethylamine (WALPOLE), T., 947.

C_{16} Group.

$C_{16}H_{10}O_2$ 2-Keto-4:5-diphenylene-2:3-dihydrofuran (RICHARDS), T., 1458; P., 195.

$C_{16}H_{10}O_6$ Trifolitin (POWER and SALWAY), T., 240; P., 20.

$C_{16}H_{10}O_7$ Substance, from red clover flowers (POWER and SALWAY), T., 236; P., 20.

$C_{16}H_{12}O$ 3-Phenyl-1-naphthol (RUHEMANN), T., 461.

$C_{16}H_{12}O_3$ 9-Hydroxy-10-phenanthrylacetic acid, and its barium and sodium salts (RICHARDS), T., 1458; P., 195.

$C_{16}H_{12}O_4$ Pratol, from red clover flowers (POWER and SALWAY), T., 233; P., 20.

$C_{16}H_{12}O_5$ Dura-santalin (PERKIN), T., 223; P., 23.

$C_{16}H_{12}O_7$ *iso*Rhamnetin, in red clover flowers (POWER and SALWAY), T., 244; P., 20.

$C_{16}H_{12}N_2$ 2:5-Diphenylpyrazine, salts of (TUTIN and CATON), T., 2530; P., 245.

2:6-Diphenylpyrazine, salts of (TUTIN), T., 2501; (TUTIN and CATON), T., 2531; P., 245.

$C_{16}H_{13}N_3$ Phenylhydrazone of 2-cyano-1-hydrindone (MITCHELL and THORPE), T., 2278.

$C_{16}H_{14}O_2$ β-Benzylcinnamic acid (RUHEMANN), T., 460.

Phenyl *o*-methoxystyryl ketone (*o-methoxybenzylideneacetophenone*) (STOBBE and WILSON), T., 1724; P., 206.

$C_{16}H_{14}O_3$ Benzoyl derivative of methyl *p*-coumarate (POWER and SALWAY), T., 235.

$C_{16}H_{14}O_6$ Homoeriodictyol (2:4:6-*trihydroxyphenyl* 4-*hydroxy*-3-*methoxystyryl ketone*) (TUTIN), T., 2059; P., 222.

Hesperitin (2:4:6-*trihydroxyphenyl* β-*hydroxy*-4-*methoxystyryl ketone*) (TUTIN), T., 2060; P., 222.

Monomethyleriodictyol (2:6-*dihydroxy*-4-*methoxyphenyl* 3:4-*dihydroxystyryl ketone*) (TUTIN), T., 2059.

$C_{16}H_{16}O_2$ β-Phenyl-β-benzylpropionic acid, and its silver salt (RUHEMANN), T., 460.

$C_{16}H_{16}N_2$ Phenylhydrazone of 2-methyl-1-hydrindone (MITCHELL and THORPE), T., 2275.

$C_{16}H_{18}O_2$ Dimethoxy-*p*-tolylphenylmethane (MACKENZIE), P., 170.

l-αβ-Dihydroxy-αβ-diphenylbutane (MCKENZIE and WREN), T., 479.

$C_{16}H_{18}O_6$ Ethyl methyltrimesate (SIMONSEN), T., 1913.

$C_{16}H_{20}O_4$ Phenyl hydrogen camphorate (EDMINSON and HILDITCH), T., 227.

α- and β-Ethoxypiperonylidenepinacoline (BOON and WILSON), T., 1755; P., 208.

Benzyl α-thujadicarboxylate (THOMSON), T., 1515; P., 178.

16 III

$C_{16}H_{10}O_2N_2$ Indirubin (BLOXAM and PERKIN), T., 1460; P., 168.

$C_{16}H_{10}O_3Cl_2$ 1:4-Dichloro-7 (or 5)-methoxy-5 (or 7)-methylanthraquinone (WALSH and WEIZMANN), T., 692.

$C_{16}H_{11}O_3N$ ω-Phthalimino-*op*-dihydroxyacetophenone (TUTIN), T., 2517.

$C_{16}H_{11}O_6N_5$ Substance, from β-imino-α-cyanohydrindene and trinitrobenzene (SUDBOROUGH and BEARD), T., 790.

$C_{16}H_{11}O_8N_5$ Substance, from α-nitro-β-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 785.

$C_{16}H_{12}O_2N_2$ *oo'*-Dihydroxy-2:5-diphenylpyrazine (TUTIN), T., 2518; P., 245.

pp'-Dihydroxy-2:6-diphenylpyrazine, and its salts (TUTIN), T., 2523; P., 244.

$C_{16}H_{12}O_3N_2$ Substance, from triketohydrindene and benzamidine (RUHEMANN), T., 2029 ; P., 235.

$C_{16}H_{12}O_4N_2$ *oo'pp'*-Tetrahydroxy-2:5-diphenylpyrazine, and its sulphates (TUTIN), T., 2514 ; P., 245.

$C_{16}H_{12}O_4Cl_2$ 3:6-Dichloro-4' (or 2')-methoxy-2-*o*-(or *p*)-toluoylbenzoic acid (WALSH and WEIZMANN), T., 691.

$C_{16}H_{13}ON_3$ 5-*p*-Toluenеazo-8-hydroxyquinoline, and its salts (FOX), T., 1341.

$C_{16}H_{13}O_2N$ 1-Hydrindone-2-carbanilide (MITCHELL and THORPE), T., 2274.

$C_{16}H_{13}O_6N$ ω-Phthalamino-*op*-dihydroxyacetophenone, (TUTIN), T., 2517.

$C_{16}H_{13}O_6N_5$ Substance, from *o*-amino-*p*-toluquinone and trinitrobenzene (SUDBOROUGH and BEARD), T., 796.

Substance, from trinitrobenzene and naphthylenediamine (1:2-, 1:4-, 1-5-, and 1:8-) (SUDBOROUGH and BEARD), T., 787.

$C_{16}H_{13}O_7N_5$ Substance, from 1-phenyl-3-methylpyrazolone and trinitrobenzene (SUDBOROUGH and BEARD), T., 797.

$C_{16}H_{14}O_6N_4$ 2:2'-Dinitrodiacetylbenzidine (CAIN and MAY), T., 724.

$C_{16}H_{15}O_2N$ Diphenacylamine, hydriodide of (TUTIN), T., 2521 ; P., 244.

$C_{16}H_{15}O_4N$ *pp'*-Dihydroxydiphenacylamine, and its salts (TUTIN), T., 2522 ; P., 244.

$C_{16}H_{15}O_4N_3$ 2-Nitrodiacetylbenzidine (CAIN and MAY), T., 725.

$C_{16}H_{15}O_6N$ *mm'pp'*-Tetrahydroxydiphenacylamine, salts of (TUTIN), T., 2523 ; P., 244.

$C_{16}H_{16}O_6N_4$ Substance, from *ar*-tetrahydro-α-naphthylamine (SUDBOROUGH and BEARD), T., 786.

$C_{16}H_{16}O_{10}N_8$ Caffeine salt of 2:3:5-trinitro-4-acetylaminophenol (MELDOLA and KUNTZEN), T., 453.

$C_{16}H_{17}O_4N$ Narcissine and its hydrochloride (EWINS), T., 2406 ; P., 296.

$C_{16}H_{18}O_2N_2$ 4'-Acetyl-3-ethoxybenzidine (CAIN and MAY), T., 725.

$C_{16}H_{18}O_3N_2$ *p*-Azoxyphenetole, absorption of carbon dioxide by, relation between solubility and the physical state of the solvent in the (HOMFRAY), T., 1669 ; P., 197.

Acetyldianisidine (and + H_2O) (CAIN and MAY), T., 723.

$C_{16}H_{18}O_4N_2$ Camphor-3-nitrophenylimide (WOOTTON), T., 415.

$C_{16}H_{19}O_3N$ Laurepukine (ASTON), T., 1387 ; P., 11.

$C_{16}H_{19}O_6N_5$ Substance, from tetramethyl-*p*-phenylenediamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 792.

$C_{16}H_{19}ClSi$ Dibenzylethylsilicyl chloride (CHALLENGER and KIPPING), T., 146.

$C_{16}H_{20}O_4S$ Phenyl camphor-β-sulphonate (EDMINSON and HILDITCH), T., 228.

$C_{16}H_{20}O_5N_2$ 3-Nitrophenyl-α-camphoramic acid (WOOTTON), T., 413.

$C_{16}H_{21}O_4N$ 4-Hydroxyphenyl-α-camphoramic acid (WOOTTON), T., 414.

$C_{16}H_{21}O_4Br$ Bromoethoxypiperonylidenepinacolin (BOON and WILSON), T., 1754.

$C_{16}H_{22}O_3N_2$ 3-Aminophenyl-α-camphoramic acid, and its hydrochloride (WOOTTON), T., 414.

$C_{16}H_{23}ON$ Δ^{α}-Noneno-*p*-toluidide (HARDING and WEIZMANN), T., 302.

$C_{16}H_{25}O_2N$ Camphorcarboxypiperidide (GLOVER and LOWRY), P., 163.

$C_{16}H_{25}O_5N$ Tetramethyl mannoseanilide (IRVINE and MCNICOLL), T., 1452.

Tetramethyl galactoseanilide (IRVINE and MCNICOLL), T., 1454.

$C_{16}H_{27}O_2N$ Camphor-*n*-hexylimide (WOOTTON), T., 415.

$C_{16}H_{29}O_3N$ *n*-Hexyl-α-camphoramic acid (WOOTTON), T., 413.

$C_{16}H_{31}O_3N$ Ethyl carpamate, hydrochloride of (BARGER), T., 469.

16 IV

$C_{16}H_9O_3NCl_2$ 1:4-Dichloro-5-acetylaminoanthraquinone (WALSH and WEIZMANN), T., 688.

$C_{16}H_9O_4N_3S_2$ Dinitro-*S*-thienylphenazothionium hydroxide ($+\frac{1}{2}H_2O$) (BARNETT and SMILES), T., 373.

$C_{16}H_{10}O_6N_4Br_2$ Substance, from 1:6-dibromo-2-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 782.

$C_{16}H_{11}O_2N_3S$ 1-Benzenesulphonylnaphthylene-2-diazo-1-imide (MORGAN and GODDEN), T., 1717.

2-Benzenesulphonylnaphthylene-1-diazo-2-imide (MORGAN and GODDEN), T., 1715.

Benzenesulphonylnaphthylene-2:3-diazoimide (MORGAN and GODDEN), T., 1718.

$C_{16}H_{11}O_4NCl_2$ 1:4-Dichloro-5-aminoanthraquinone acetate (WALSH and WEIZMANN), T., 688.

$C_{16}H_{11}O_6N_3S$ Benzenesulphonyl-2:4-dinitro-α-naphthylamine (MORGAN and GODDEN), T., 1715.

$C_{16}H_{11}O_6N_4Br$ Substance, from 4-bromo-1-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 782.

Substance, from α-bromo-β-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 782.

$C_{16}H_{12}O_4N_2S$ Benzenesulphonyl-1-nitro-β-naphthylamine (MORGAN and GODDEN), T., 1714.

$C_{16}H_{14}O_2N_2Cl_2$ 2:2′-Dichlorodiacetylbenzidine (CAIN and MAY), T., 724.

$C_{16}H_{14}O_2N_2S$ 2-Benzenesulphonyl-1:2-naphthylenediamine (MORGAN and GODDEN), T., 1714.

$C_{16}H_{14}O_4N_2Cl_2$ Tartarodi-*o*-, *m*-, and *p*-chloroanilide (FRANKLAND and TWISS), T., 159.

$C_{16}H_{14}O_4N_2Br_2$ Tartarodi-*o*-, *m*-, and *p*-bromoanilide (FRANKLAND and TWISS), T., 157.

$C_{16}H_{15}O_2N_3S$ 1-Benzenesulphonyl-1:2:4-triaminonaphthalene (MORGAN and GODDEN), T., 1716.

$C_{16}H_{16}O_3NCl$ Phenylurethane of γ-chloro-β-hydroxy-α-phenoxypropane (BOYD and MARLE), T., 1789; P., 209.

$C_{16}H_{18}O_2NCl$ Camphor-2-, 3-, and 4-chlorophenylimide (WOOTTON), T., 415.

$C_{16}H_{18}O_2NBr$ Camphor-2-, and 3-bromophenylimide (WOOTTON), T., 415.

$C_{16}H_{20}O_3NCl$ 2-, 3-, and 4-Chlorophenyl-α-camphoramic acid (WOOTTON), T., 415.

$C_{16}H_{20}O_3NBr$ 2-, and 3-Bromophenyl-α-camphoramic acid (WOOTTON), T., 415.

$C_{16}H_{24}O_2NBr$ Camphorcarboxybromopiperidide (GLOVER and LOWRY), P. 163.

16 V

$C_{16}H_{10}O_2N_3BrS$ 2-Benzenesulphonyl-4-bromonaphthylene-1-diazo-2-imide (MORGAN and GODDEN), T., 165.

1-Benzenesulphonyl-4-bromonaphthylene-2-diazo-1-imide (MORGAN and GODDEN), T., 1712; P., 165.

$C_{16}H_{11}O_4N_2BrS$ Benzenesulphonyl-2-nitro-4-bromo-α-naphthylamine (MORGAN and GODDEN), T., 1711.

$C_{16}H_{12}O_2NBrS$ Benzenesulphonyl-4-bromo-α-naphthylamine (MORGAN and GODDEN), T., 1710.

$C_{16}H_{13}O_2N_2BrS$ 1-, and 2-Benzenesulphonyl-4-bromo-1:2-naphthylenediamine (MORGAN and GODDEN), T., 1709; P., 165.

$C_{16}H_{32}O_{16}N_6S_4Fe$ Substance, from potassium ferrocyanide and methyl sulphate (HARTLEY), T., 1071, 1725.

C_{17} Croup.

$C_{17}H_{12}O_2$ 2-Benzo-α-naphthol, and its salts (Edminson and Hilditch), T., 226.

$C_{17}H_{12}O_5$ Pratensol, from red clover flowers (Power and Salway), T., 238; P., 20.

$C_{17}H_{13}N_3$ 3-*p*-Tolyl-β-naphtha*iso*triazole (2-*p*-*tolylnaphthylene*-1-*diazo*-2-*imine*), (Morgan and Bramley), P., 151.

$C_{17}H_{14}O_4$ Chrysophanic acid dimethyl ether (Tutin and Clewer), T., 6.

$C_{17}H_{16}O_2$ ββ-Dibenzoylpropane (Smedley), T., 1492.

$C_{17}H_{16}O_5$ 2:4-Diacetoxybenzhydrol (Pope and Howard), T., 80.

$C_{17}H_{18}O_8$ Triethyl hydrogen prehnitate (Bamford and Simonsen), T., 1908.

$C_{17}H_{24}O_2$ Menthyl benzoate (Cohen and Dudley), T., 1750.

$C_{17}H_{30}O_4$ Di*iso*butyl α-thujadicarboxylate (Thomson), T., 1514; P., 178.

17 III

$C_{17}H_{10}OS$ Naphthathioxanthone (Davis and Smiles), T., 1298; P., 174.

$C_{17}H_{10}O_4Cl_2$ 1:4-Dichloro-8-acetoxy-5-methylanthraquinone (Walsh and Weizmann), T., 690.

$C_{17}H_{11}O_2N$ *O*-Benzoyl-2-cyano-1-hydrindone (Mitchell and Thorpe), T., 2278.

$C_{17}H_{11}O_5N_3$ *o*-, and *p*-Nitro-*o*-carboxybenzene-4-azo-α-naphthol (Baly, Tuck, and Marsden), T., 1501.

$C_{17}H_{12}ON_4$ Benzoyl-1-aminonaphthyl-4-azoimide (Morgan and Couzens), T., 1697.

$C_{17}H_{12}ON_6$ Benzoyl-1-aminonaphthalene-4-diazonium azide (Morgan and Couzens), T., 1697.

$C_{17}H_{12}O_7N_4$ Azo derivative of 2:5-dinitro-1-methoxy-3:4-quinonediazide (Meldola and Reverdin), T., 1206.

Substance, from formo-α- and β-naphthalide and trinitrobenzene (Sudborough and Beard), T., 790.

$C_{17}H_{13}O_2N_3$ Quinolineazophenyl acetate (Fox), T., 1346.

$C_{17}H_{13}O_4N$ ω-Phthalimino-*o*-methoxyacetophenone (Tutin), T., 2517.

ω-Phthalimino-*p*-methoxyacetophenone (Tutin), T., 2508.

$C_{17}H_{14}O_2N_4$ 5-*p*-Acetylaminobenzeneazo-8-hydroxyquinoline, and its sodium salt (Fox), T., 1343.

$C_{17}H_{15}ON_3$ Quinolineazophenetole (Fox), T., 1347.

$C_{17}H_{15}O_2N_3$ 5-*p*-Ethoxybenzeneazo-8-hydroxyquinoline, and its sodium salt and hydrochloride (Fox), T., 1344.

Ethoxyquinolineazophenol (Fox), T., 1347.

$C_{17}H_{16}ON_2$ *p*-Dimethylaminoanilo-α-hydrindone (Ruhemann), T., 1446.

$C_{17}H_{17}O_2N$ Pukateine, and its salts (Aston), T., 1382; P., 11.

$C_{17}H_{17}O_4N$ Benzoyl derivative of β-3-methoxy-4:5-methylenedioxy-phenylethylamine (Salway), T., 1212.

$C_{17}H_{18}O_3N_2$ *l*-Methoxysuccindianilide (Purdie and Neave), T., 1520.

$C_{17}H_{19}O_3N$ 2-, 3-, and 4-Nitrobenzylidenecamphor (Wootton), T., 411, 412.

$C_{17}H_{20}ON_2$ Benzylidenecamphorquinonehydrazone (Forster and Zimmerli), T., 2170.

$C_{17}H_{20}O_2N_2$ αβ-Dibenzylaminopropionic acid, and its dihydrochloride (Frankland), T., 1688; P., 202.

Phenylhydrazone of 4:5-dimethoxy-*o*-methylacetophenone (Harding and Weizmann), T., 1128; P., 130.

α-Benzoylcamphorquinonehydrazone (Forster and Zimmerli), T., 2169.

$C_{17}H_{21}O_2N$ *d*-Camphorbenzylimide, preparation of (Evans), T., 2240.

Camphor *o*-, *m*-, and *p*-tolylimide (Wootton), T., 415.

$C_{17}H_{21}O_2N_3$ Camphorquinone-α- and β-phenylcarbamylhydrazone (FORSTER and ZIMMERLI), T., 2174; P., 245.

$C_{17}H_{23}O_2N$ Phenylurethane of Δ^3-*m*-menthenol (8) (LUFF and PERKIN), T., 2153.

Phenylurethane of Δ^3-*p*-menthenol (8) (PERKIN and WALLACH), T., 1433.

$C_{17}H_{23}O_3N$ *o*-, *m*-, and *p*-Tolyl-α-camphoramic acid (WOOTTON), T., 415.

Hyoscyamine, specific rotatory power of (CARR and REYNOLDS), T., 1328; P., 180.

17 IV

$C_{17}H_{11}ONS$ β-Aminonaphthathioxanthone, and its platinichloride (DAVIS and SMILES), T., 1299; P., 174.

$C_{17}H_{14}O_4N_2S_2$ Substance, from immedial-indone (FRANK), T., 2045; P., 218.

$C_{17}H_{15}O_3N_3S$ Methanesulphonyl-*p*-aminobenzeneazo-β-naphthol (MORGAN, PICKARD, and MICKLETHWAIT), T., 63.

$C_{17}H_{15}O_3NCl$ Phenylurethanes of γ-chloro-β-hydroxy-α-*o*-, and *p*-tolyloxypropane (BOYD and MARLE), T., 1790; P., 209.

C_{18} Group.

$C_{18}H_{13}N_3$ *oo*-Dicyano-ββ′-diphenyl*iso*butyronitrile (MITCHELL and THORPE), T., 2280.

$C_{18}H_{14}O_5$ Acetyl derivative of pratol (POWER and SALWAY), T., 233.

$C_{18}H_{16}O_4$ *p*-Carbethoxydibenzoylmethane (SMEDLEY), T., 1491.

$C_{18}H_{16}O_6$ *oo*-Dicarboxy-ββ′-diphenyl*iso*butyric acid (MITCHELL and THORPE), T., 2281.

$C_{18}H_{18}O_6$ Diacetyl derivative of 2:4-dihydroxy-4′-methoxybenzhydrol (POPE and HOWARD), T., 973.

$C_{18}H_{26}O_2$ Menthyl phenylacetate (COHEN and DUDLEY), T., 1749.

Menthyl *o*-, *m*-, and *p*-toluate (COHEN and DUDLEY), T., 1749.

$C_{18}H_{26}O_3$ Menthyl *o*-, *m*-, and *p*-methoxybenzoate (COHEN and DUDLEY), T., 1739.

18 III

$C_{18}H_{10}O_4N_2$ 2-*o*-Carboxybenzoylindonoglyoxaline, and its silver salt (RUHEMANN), T., 1442.

$C_{18}H_{12}ON_4$ Quinolineazo-8-hydroxyquinoline, and its sodium salt and hydrochlorides (FOX), T., 1345.

$C_{18}H_{12}O_6N_4$ Substance, from carbazole and trinitrobenzene (SUDBOROUGH and BEARD), T., 796.

$C_{18}H_{13}NS$ *N*-Phenylthiodiphenylamine (BARNETT and SMILES), T., 364.

$C_{18}H_{13}O_5N$ ω-Phthalimino-*op*-dimethoxyacetophenone (TUTIN), T., 2513.

$C_{18}H_{15}O_6N_7$ Substance, from 2:4-diaminoazobenzene and trinitrobenzene (SUDBOROUGH and BEARD), T., 787.

$C_{18}H_{16}O_2N_2$ *pp*′-Dimethoxy-2:5-diphenylpyrazine, and its salts (TUTIN), T., 2505; P., 244; (TUTIN and CATON), T., 2531; P., 245.

pp′-Dimethoxy-2:6-diphenylpyrazine, and its salts (TUTIN), T., 2506; P., 244; (TUTIN and CATON), T., 2532; P., 245.

$C_{18}H_{16}O_7N_4$ Substance, from α-amino- β-naphthyl ethyl ether and trinitrobenzene (SUDBOROUGH and BEARD), T., 787.

$C_{13}H_{16}O_8N_4$ Substance, from ethyl 2-aminoindene-3-carboxylate and trinitrobenzene (SUDBOROUGH and BEARD), T., 788.

$C_{18}H_{17}O_3N$ 8-Methoxy-6:7-methylenedioxy-1-benzyl-3:4-dihydro*iso*quinoline, and its hydrochloride ($+2H_2O$) and picrate (SALWAY), T., 1214.

6-Methoxy-7:8-methylenedioxy-1-benzyl-3:4-dihydro*iso*quinoline, and its hydrochloride and picrate (SALWAY), T., 1215.

$C_{18}H_{15}O_2N_3$ Phenylhydrazone of ethyl 1-hydrindone-2-carboxylate (MITCHELL and THORPE), T., 2273.

$C_{18}H_{15}O_3N_3$ *cis*-Betrahydrofuran-2:5-dicarboxyldianilide (LE SUEUR and HAAS), T., 184.

$C_{18}H_{18}O_4N_2$ Acid diamide of *oo*-dicarboxy-$\beta\beta'$-diphenyl*iso*butyric acid (MITCHELL and THORPE), T., 2281.

$C_{18}H_{18}O_8N_4$ Substance, from ethyl β-anilinocrotonate and trinitrobenzene (SUDBOROUGH and BEARD), T., 790.

$C_{18}H_{18}N_3Sb$ Tri-*p*-aminotriphenylstibine (MAY), P., 142.

$C_{18}H_{19}O_2N_3$ β-Benzyl-γ-benzylaminomethylhydantoin, and its hydrochloride (FRANKLAND), T., 1689; P., 203.

Benzoyl derivative of camphane-oxytriazine (FORSTER and ZIMMERLI), T., 2177.

$C_{18}H_{19}O_4N$ Phenylacetyl-β-3-methoxy-4:5-methylenedioxyphenylethylamine (SALWAY), T., 1213.

pp'-Dimethoxydiphenacylamine, hydrochloride of (TUTIN), T., 2507.

$C_{18}H_{20}O_3N_2$ Diacetyl-3-ethoxybenzidine (CAIN and MAY), T., 725.

$C_{18}H_{20}O_4N_2$ Phenylhydrazone of hydroxydiacetyldimethoxybenzene (TUTIN and CATON), T., 2066.

$C_{18}H_{21}O_3N_3$ β-Benzylamino-α-benzylcarbamidopropionic acid (FRANKLAND), T., 1689; P., 203.

$C_{18}H_{21}O_4N$ Hydroxycodeine, and its salts (DOBBIE and LAUDER), P., 339.

$C_{18}H_{24}O_4N_2$ Acetyl derivative of 3-amino-phenyl-α-camphoramic acid (WOOTTON), T., 414.

$C_{18}H_{25}O_4N$ 4-Ethoxyphenyl-α-camphoramic acid (WOOTTON), T., 415.

18 IV

$C_{18}H_{12}O_6N_3Sb$ Trinitrotriphenylstibine (MAY), P., 142.

$C_{18}H_{13}O_7N_4Br$ Acetyl derivative of substance, from α-bromo-β-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 782.

$C_{18}H_{14}O_8N_3Sb$ Trinitrophenylstibine dihydroxide, and its dichloride (MAY), T., 1958.

$C_{18}H_{15}O_4SSb$ Triphenylstibine sulphate (MAY), T., 1958.

$C_{18}H_{16}OClSb$ Triphenylstibine hydroxychloride (MORGAN, MICKLETHWAIT, and WHITBY), T., 37.

$C_{18}H_{16}O_4NSb$ Triphenylstibine hydroxynitrate (MORGAN, MICKLETHWAIT and WHITBY), T., 35.

C_{19} Group.

$C_{19}H_{12}O_3$ 3-Hydroxy-9-phenylfluorone (POPE and HOWARD), T., 1026.

$C_{19}H_{14}O_3$ 3:6-Dihydroxy-9-phenylxanthen (POPE and HOWARD), T., 81.

$C_{19}H_{18}O_5$ Piperonylidene-4:5-dimethoxy-*o*-methylacetophenone (HARDING and WEIZMANN), T., 1128.

$C_{19}H_{20}O_6$ Matairesinol (+Et OH) (EASTERFIELD and BEE), T., 1028; P., 7.

$C_{19}H_{22}O_6$ Benzoyloxydiacetyldimethoxybenzene (TUTIN and CATON), T., 2066.

$C_{19}H_{22}O_7$ Matairesinolic acid (+ $3H_2O$), and its calcium salt (EASTERFIELD and BEE), T., 1031; P., 7.

$C_{19}H_{28}Si$ Dibenzylethylpropylsilicane (CHALLENGER and KIPPING), T., 146; P., 3.

$C_{19}H_{28}O_3$ Menthyl *o*-, *m*-, and *p*-ethoxybenzoate (COHEN and DUDLEY), T., 1741.

$C_{19}H_{30}N_2$ Menthylethylbenzamidine, and its salts (COHEN and MARSHALL), T., 333.

$C_{19}H_{32}O_{11}$ Methyl pentamethylgynocardinate (Moore and Tutin), T., 1287; P., 182.

$C_{19}H_{33}N$ Tridecylaniline, and its hydrochloride (Le Sueur), T., 2440; P., 290.

$C_{19}H_{34}O_4$ Di*iso*amyl α-thujadicarboxylate (Thomson), T., 1514; P., 178.

19 III

$C_{19}H_8O_3Br_4$ Tetrabromo-3-hydroxy-9-phenylfluorone (Pope and Howard), T., 82.

$C_{19}H_{12}O_6N_4$ Substance, from acridine and trinitrobenzene (Sudborough and Beard), T., 796.

Substance, from α- and β-naphthaquinoline and trinitrobenzene (Sudborough and Beard), T., 795.

$C_{19}H_{13}ON_3$ 5-α-Naphthaleneazo-8-hydroxyquinoline, and its hydrochloride and sodium salt (Fox), T., 1345.

Quinoline-3-azo-β-naphthol (Mills and Watson), T., 753; P., 56.

$C_{19}H_{13}O_2N_3$ α-*oo*-Tricyano-ββ′-diphenyl*iso*butyric acid, and its potassium salt (Mitchell and Thorpe), T., 2280.

$C_{19}H_{14}O_8N_6$ Substance, from *m*-nitrobenzaldehydephenylhydrazone and trinitrobenzene (Sudborough and Beard), T., 793.

$C_{19}H_{15}NS$ Diphenylthiobenzamide, preparation of (Russell), T., 956.

$C_{19}H_{16}O_3N_2$ Benzoyl-4-nitroethyl-α-naphthylamine (Morgan and Couzens), T., 1693.

$C_{19}H_{16}O_6N_4$ Substance, from benzylaniline and trinitrobenzene (Sudborough and Beard), T., 788.

$C_{19}H_{17}O_2N_3$ Nitrosamine, from hydrolysis of benzoylethyl-4-aminonaphthalene-1-diazonium salts (Morgan and Couzens), T., 1696.

$C_{19}H_{18}ON_2$ *as*-Benzoylethyl-1:4-naphthalenediamine (Morgan and Couzens), T., 1693; P., 165.

$C_{19}H_{18}O_3N_2$ *cyclo*Pentan-1-one-2:5-dicarbanilide (Mitchell and Thorpe), T., 1003.

$C_{19}H_{20}O_3N_4$ 1:7-Dibenzyltetrahydrouric acid (Frankland), T., 1691; P., 203.

$C_{19}H_{20}O_{12}S_2$ Matairesinoldisulphonic acid, barium salt ($+5H_2O$) (Easterfield and Bee), T., 1030; P., 7.

$C_{19}H_{21}O_3N$ Laureline, and its salts (Aston), T., 1386; P., 11.

$C_{19}H_{22}O_2N_2$ Ethyl 3-anilino-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-cyanoacetate (Crossley and Gilling), T., 527.

$C_{19}H_{29}O_2N$ Menthyl *o*-, and *p*-dimethylaminobenzoate (Cohen and Dudley), T., 1746.

$C_{19}H_{32}ON_2$ Phenyltridecylnitrosoamine (Le Sueur), T., 2440.

19 IV

$C_{19}H_{13}O_8N_3S$ Dinitro-*S*-salicylphenazothionium hydroxide (Barnett and Smiles), T., 372.

$C_{19}H_{16}ON_3Cl$ Benzoylethyl-4-aminonaphthalene-1-diazonium chloride (Morgan and Couzens), T., 1695.

$C_{19}H_{16}O_5N_3Cl$ Benzoylethyl-4-aminonaphthalene-1-diazonium perchlorate (Morgan and Couzens), T., 1695.

$C_{19}H_{17}O_5N_3S$ Benzoylethyl-4-aminonaphthalene-1-diazonium sulphate ($+EtOH$) (Morgan and Couzens), T., 1694.

$C_{19}H_{26}O_3SSi$ *dl*-Dibenzylethylpropylsilicanesulphonic acid, metallic salts of (Challenger and Kipping), T., 152; alkaloidal salts of (Challenger and Kipping), T., 760.

l-Dibenzylethylpropylsilicanesulphonic acid, alkaloidal salts of (Challenger and Kipping), T., 760.

$C_{19}H_{26}O_6S_2Si$ Dibenzylethylpropylsilicanedisulphonic acid, metallic salts of (CHALLENGER and KIPPING), T., 153.

19 V

$C_{19}H_{17}ON_3Cl_6Sn$ Benzoylethyl-4-aminonaphthalene-1-diazonium stannichloride (MORGAN and COUZENS), T., 1695.

C_{20} Group.

$C_{20}H_{14}O_2$ 9-Phenyl-2-methylfluorone (POPE and HOWARD), T., 1026.

$C_{20}H_{16}O_2$ 6-Hydroxy-9-phenyl-2-methylxanthen (POPE and HOWARD), T., 81.

$C_{20}H_{16}O_4$ 3:6-Dihydroxy-4'-methoxy-9-phenylxanthen (POPE and HOWARD), T., 974.

$C_{20}H_{18}O_2$ *l*-$\alpha\beta$-Dihydroxy-$\alpha\beta\beta$-triphenylethane (MCKENZIE and WREN), T., 480.

$C_{20}H_{21}N$ 2-*tert.*-Butyl-4:5-diphenylpyrrole (BOON), T., 1260; P., 95.

$C_{20}H_{22}O_2$ Desylpinacoline (*α-tert.-butyryl-β-benzoylphenylethane*) (BOON), T., 1258.

$C_{20}H_{22}O_4$ α- and β-Naphthyl hydrogen camphorate (EDMINSON and HILDITCH), T., 227.

$C_{20}H_{22}O_6$ 2:4:6-Trimethoxyphenyl 3:4-dimethoxystyryl ketone (TUTIN and CATON), T., 2067; P., 223.

$C_{20}H_{24}O_5$ *o*-β-Acetylvinylphenyl hydrogen camphorate (EDMINSON and HILDITCH), T., 227.

$C_{20}H_{26}N_2$ Ethylidenexylidine, bimolecular (JONES and WHITE), T., 641; absorption spectrum of (PURVIS), T., 645.

$C_{20}H_{28}O_3$ Menthyl *o*-, and *p*-allyloxybenzoate (COHEN and DUDLEY), T., 1745.

$C_{20}H_{30}O_3$ Menthyl *o*-, *m*-, and *p*-propoxybenzoate (COHEN and DUDLEY), T., 1742.

Menthyl *o*- and *p-iso*propoxybenzoate (COHEN and DUDLEY), T., 1743.

$C_{20}H_{34}O$ Phytosterol, from colocynth (POWER and MOORE), T., 108.

20 III

$C_{20}H_{12}O_2S_2$ Dinaphthylene *p*-disulphoxide (HILDITCH), T., 2591.

$C_{20}H_{16}ON_2$ *iso*Phenylmethylacetyl*cyclo*pentenephenazine (RUHEMANN), T., 1444.

$C_{20}H_{16}ON_4$ Benzoylethyl-4-aminonaphthalene-1-diazonium cyanide (MORGAN and COUZENS), T., 1695.

$C_{20}H_{16}O_2N_2$ Salicylphenylbenzamidine (TITHERLEY), T., 209; P., 9.

$C_{20}H_{16}O_7N$ Anhydrocotarninenitrophthalide (HOPE and ROBINSON), P., 230.

$C_{20}H_{17}ON$ 8-Hydroxy-5-phenyl-3-methyldihydroacridine (POPE and HOWARD), T., 83.

$C_{20}H_{17}O_4N$ Berberine, constitution of (PERKIN and ROBINSON), T., 305; P., 24.

$C_{20}H_{17}O_6N_5$ Substance, from *oo*-diaminostilbene and trinitrobenzene (SUDBOROUGH and BEARD), T., 791.

$C_{20}H_{18}O_3S$ Substance, from 2:3-diketo-1-acetyl-4-phenyl-5-methyl*cyclo*pentene and phenylmercaptan (RUHEMANN), T., 1444.

$C_{20}H_{19}O_5N$ Anhydrocotarnineaminophthalide (HOPE and ROBINSON), P., 230.

$C_{20}H_{20}O_4N_2$ *mm'pp'*-Tetramethoxy-2:5-diphenylpyrazine, and its salts (TUTIN), T., 2510 ; P., 244 ; (TUTIN and CATON), T., 2533; P., 245.

mm'pp'-Tetramethoxy-2:6-diphenylpyrazine, and its salts (TUTIN), T., 2511 ; P., 244 ; (TUTIN and CATON), T., 2533 ; P., 245.

$C_{20}H_{21}O_2N$ α-, and β-Naphthylcamphorimide (WOOTTON), T., 415.

$C_{20}H_{21}O_4N$ Papaverine, constitution of the reduction products of (PYMAN and REYNOLDS), T., 1320 ; P., 180.

$C_{20}H_{22}O_4S$ α- and β-Naphthyl camphor-β-sulphonate (EDMINSON and HILDITCH), T., 228.

$C_{20}H_{23}O_2N$ Oxime of desylpinacoline (BOON), T., 1258.

$C_{20}H_{23}O_3N$ α- and β-Naphthyl α-camphoramic acid (WOOTTON), T., 415.

$C_{20}H_{23}O_4N$ Pavine, and its hydriodide (PYMAN and REYNOLDS), T., 1327 ; P., 180 ; preparation and resolution of (POPE and GIBSON), T., 2207 ; P., 250.

d- and *l*- Pavine, rotatory power of salts of, with *d*- tartaric acid and *d*- and *l*-camphor-β-sulphonic acid (POPE and GIBSON), T., 2211 ; P., 250.

$C_{20}H_{24}O_2N_2$ Ethyl 3-methylanilino-1:1-dimethyl-Δ^3-*cyclo*hexenylidene-5-cyanoacetate (CROSSLEY and GILLING), T., 527.

Dioxime of desylpinacoline (BOON), T., 1259.

$C_{20}H_{24}O_5S$ *o*-β-Acetylvinylphenyl camphor-β-sulphonate (EDMINSON and HILDITCH), T., 228.

$C_{20}H_{30}O_4S_2$ Dicamphoryl β-α-disulphoxide (HILDITCH), T., 1096 ; P., 95.

$C_{20}H_{31}O_4P$ Dicamphorylphosphinic acid, and its metallic salts (MORGAN and MOORE), T., 1697.

20 IV

$C_{20}H_{13}O_9N_9S$ Tetranitro-*S*-phenetylphenazothionium hydroxide, and its sulphate (BARNETT and SMILES), T., 368.

$C_{20}H_{14}ON_2Cl_2$ 4:4'-Dichlorobenzilphenylhydrazone (KENNER and WITHAM), T., 1967.

$C_{20}H_{24}O_4BrS$ *d*-Bornylamine *d*-α-bromocamphor-π-sulphonate (POPE and READ), T., 994.

20 V

$C_{20}H_{13}ONCl_4S$ Tetrachloro-*S*-phenetylphenazothionium hydroxide ($+H_2O,CHCl_3$) (BRADY and SMILES), T., 1561.

$C_{20}H_{28}O_4NBrS$ *d*-(*l*)-Tetrahydroquinaldine *d*-(*l*-)α-bromocamphor-π-sulphonate (POPE and READ), T., 2203.

C_{21} Group.

$C_{21}H_{14}O_4$ 3-Acetoxy-9-phenylfluorone (POPE and HOWARD), T., 1027.

$C_{21}H_{16}O_6$ Ethyl 2-keto-3-acetoxy-4:5-diphenylene-2:3-dihydrofuran-3-carboxylate (RICHARDS), T., 1457 ; P., 195.

$C_{21}H_{16}O_9$ Acetyl derivative of substance, from red clover flowers (POWER and SALWAY), T., 239.

$C_{21}H_{17}N$ 2:3-Diphenyl-1-methylindole, preparation of (RICHARDS), T., 978.

$C_{21}H_{18}O_3$ 6-Hydroxy-4'-methoxy-9-phenyl-2-methylxanthen (POPE and HOWARD), T., 974.

$C_{21}H_{20}O_2$ *i*-α-Methoxy-αββ-triphenylethane (MCKENZIE and WREN), T., 483.

l-α-Methoxy-αββ-triphenylethane (MCKENZIE and WREN), T., 485.

$C_{21}H_{20}O_{11}$ Quercitrin, and its trisodium derivative (MOORE), P., 182.

$C_{21}H_{20}O_{12}$ Serotrin ($+3H_2O$) (POWER and MOORE), T., 1109 ; P., 124.

Incarnatrin, from clover flowers (ROGERSON), T., 1008 ; P., 112.

$C_{21}H_{22}O_7$ Acetylmatairesinol (EASTERFIELD and BEE), T., 1030 ; P., 7.

$C_{21}H_{24}N_2$ Menthyldiethylbenzamidine, and its salts (COHEN and MARSHALL), T., 333.

$C_{21}H_{36}O_4$ Trifolianol (POWER and SALWAY), T., 249 ; P., 20.

$C_{21}H_{37}N$ Pentadecylaniline, and its hydrochloride (LE SUEUR), T., 2438 ; P., 290.

21 III

$C_{21}H_{13}O_4Cl$ 1 (or 4)-Chloro-8-hydroxy-4 (or 1)-phenoxy-5-methylanthraquinone (WALSH and WEIZMANN), T., 690.

$C_{21}H_{16}ON_4$ Diphenylhydrazone of triketohydrindene (RUHEMANN), T., 1448.

$C_{21}H_{17}O_2N_3$ Ethyl *α-oo*-tricyano-*ββ'*-diphenyl*iso*butyrate (MITCHELL and THORPE), T., 2280.

$C_{21}H_{19}O_2N$ 8-Hydroxy-5-*p*-methoxyphenyl-3-methyldihydroacridine (POPE and HOWARD), T., 975.

$C_{21}H_{22}O_2N_2$ Strychnine, constitution of (PERKIN and ROBINSON), T., 305 ; P., 24.

Substance, from piperidine and diketodiphenylpyrroline (RUHEMANN), T., 465.

$C_{21}H_{23}O_4N$ *N*-Methylpavine, and its salts (PYMAN and REYNOLDS), T., 1324 ; P., 180.

$C_{21}H_{27}O_4N$ Laudanosine hydrogen oxalate ($+1\frac{1}{2}$ or $2\frac{1}{2}H_2O$) (PYMAN and REYNOLDS), T., 1323.

$C_{21}H_{35}ON$ Acetotridecylaniline (LE SUEUR), T., 2440.

$C_{21}H_{36}ON_2$ Phenylpentadecylnitrosoamine (LE SUEUR), T., 2439.

21 IV

$C_{21}H_{17}O_4N_3S$ Dinitro-*S*-mesitylphenazothionium hydroxide ($+H_2O$). (BARNETT and SMILES), T., 371.

$C_{21}H_{18}O_6N_4S$ Phenetoleazosulphobenzylidene-*p*-nitroaniline, potassium salt (GREEN and SEN), T., 2245.

$C_{21}H_{19}O_4N_3S$ Phenetoleazosulphobenzylideneaniline (GREEN and SEN), T., 2244.

$C_{21}H_{19}O_5N_3S$ Phenetoleazosulphobenzylidene-*p*-aminophenol, potassium salt (GREEN and SEN), T., 2245.

$C_{21}H_{19}O_7N_3S_2$ Phenetoleazosulphobenzylideneaniline-*p*-sulphonic acid, potassium salt (GREEN and SEN), T., 2244.

$C_{21}H_{25}O_4N_2Cl$ 6(or 7)-Methoxy-7(or 6)-[6:7-dihydroxy-2-methyl-3:4-dihydro*iso*quinoliniumoxy]-2-methyl-3:4-dihydro*iso*quinolinium chloride (PYMAN), T., 279.

$C_{21}H_{25}O_4N_2I$ 6(or 7)-Methoxy-7(or 6)-[6:7-dihydroxy-2-methyl-3:4-dihydro-*iso*quinoliniumoxy]-2-methyl-3:4-dihydro*iso*quinolinium iodide (PYMAN), T., 279.

C_{22} Group.

$C_{22}H_{14}$ *αβα'β'*-Dinaphthanthracene, preparation of (HOMER), T., 1141 ; P., 12 ; absorption spectra of, and of its hydro-derivative and isomerides (HOMER and PURVIS), T., 1155 ; P., 25.

22 II

$C_{22}H_{15}N_3$ Diphenylpyrrolinophenazine (RUHEMANN), T., 1443 ; P., 196.

$C_{22}H_{18}O$ Phenylethylidenedeoxybenzoin (RUHEMANN), T., 459.

$C_{22}H_{18}O_2$ Triphenylbutyrolactone (PURDIE and ARUP), T., 1543 ; P., 199.

$C_{22}H_{18}O_5$ Substance, from ethyl acetoacetate and phenanthraquinone (RICHARDS), T., 1460 ; P., 195.

$C_{22}H_{19}N$ 2:3-Diphenyl-1-ethylindole (RICHARDS), T., 978.

$C_{22}H_{20}O_6$ Ethyl 9-phenanthroxylacetoxyacetoacetate (RICHARDS), T., 1459 ; P., 195.

$C_{22}H_{22}O_{11}$ Trifolin (+H_2O) (POWER and SALWAY), T., 239; P., 20.
*iso*Trifolin (POWER and SALWAY), T., 244; P., 20.

$C_{22}H_{24}O_2$ Diphenylcampholide (SHIBATA), T., 1240.
Lactone of diphenylhydroxycampholic acid (SHIBATA), T., 1241.

$C_{22}H_{24}O_5$ 2-Aceto-α-naphthyl hydrogen camphorate (EDMINSON and HILDITCH), T., 228.

$C_{22}H_{26}O_3$ Diphenylhydroxycampholic acid, barium salt of (SHIBATA), T., 1240.
Diphenylhydroxy*iso*campholic acid (SHIBATA), T., 1246.

$C_{22}H_{28}O_3$ Menthyl α- and β-methoxynaphthoate (COHEN and DUDLEY), T., 1747.

$C_{22}H_{34}O_3$ Menthyl *o*-, *m*-, and *p*-*iso*amyloxybenzoate (COHEN and DUDLEY), T., 1744.

$C_{22}H_{38}O_4$ Citrullol, from colocynth (POWER and MOORE), T., 102; P., 3.

22 III

$C_{22}H_{14}O_{10}N_8$ 4:4′:7:7′-Tetranitro-6:6′-dihydroxy-1:1′-*p*-phenylene-2:2′-dimethylbisbenziminazole (MELDOLA and KUNTZEN), P., 340.

$C_{22}H_{15}O_4N$ Substance, from ω-amino-*op*-dihydroxyacetophenone (TUTIN), T., 2515.

$C_{22}H_{16}O_6N_4$ Substance, from trinitrobenzene and phenyl-β-naphthylamine (SUDBOROUGH and BEARD), T., 789.

$C_{22}H_{16}O_6N_6$ Substance, from 1-benzeneazo-2-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 787.

$C_{22}H_{22}O_6N_2$ Dinitrodiphenylcampholide (SHIBATA), T., 1241.

$C_{22}H_{22}O_9N$ Nitrognoscopine, and its salts (HOPE and ROBINSON), P., 229.

$C_{22}H_{23}O_7N$ Gnoscopine (*dl-narcotine*), synthesis of (PERKIN and ROBINSON), P., 46; resolution of (PERKIN and ROBINSON), P., 131.
d- and *l*-Narcotine, *d*-bromocamphorsulphonates of (PERKIN and ROBINSON), P., 131.

$C_{22}H_{24}O_5S$ 2-Aceto-α-naphthyl camphor-β-sulphonate (EDMINSON and HILDITCH), T., 228.

$C_{22}H_{24}O_7N$ Aminognoscopine (HOPE and ROBINSON), P., 230.

$C_{22}H_{28}O_4N_2$ *αθ*-Dianilinosebacic acid, and its silver salt (LE SUEUR and HAAS), T., 180.

22 IV

$C_{22}H_{17}O_2NS$ Substance, from phenylmercaptan and diketodiphenylpyrroline (RUHEMANN), T., 464.

$C_{22}H_{19}O_7N_3S$ Phenetoleazosulphobenzylideneaminosalicylic acid, potassium salt (GREEN and SEN), T., 2245.

$C_{22}H_{24}O_4N_4S$ Phenetoleazosulphobenzylidene-*p*-phenylenedimethyldiamine, potassium salt (GREEN and SEN), T., 2245.

$C_{22}H_{27}O_4N_2Cl$ 6 (or 7)-Methoxy-7 (or 6)-[7 (or 6)-hydroxy-6 (or 7)-methoxy-2-methyl-3:4-dihydro*iso*quinoliniumoxy]-2-methyl-3:4-dihydro*iso*quinolinium chloride (PYMAN), T., 278.

C_{23} Group.

$C_{23}H_{16}O_2$ 4:5:6-Triphenyl-2-pyrone (RUHEMANN), T., 459; P., 59.
8-Hydroxy-11-phenyl-β-naphthaxanthen (POPE and HOWARD), T., 82.

$C_{23}H_{17}N_3$ Phenyl-*p*-tolylpyrrolinophenazine (RUHEMANN), T., 1444.

$C_{23}H_{18}O_8$ Triacetylpratensol (POWER and SALWAY), T., 238.

$C_{23}H_{20}O_4$ 6-Acetoxy-4′-methoxy-9-phenyl-2-methylxanthen (POPE and HOWARD), T., 974.

$C_{23}H_{32}O_7$ Ethyl phenanthroxylacetoxymalonate (RICHARDS), T., 1457; P., 195.

$C_{23}H_{28}O_3$ Methyl diphenylhydroxy*iso*campholate (SHIBATA), T., 1245.

$C_{23}H_{30}N_2$ Phenylmenthylbenzamidine, and its hydrochloride and platinichloride (COHEN and MARSHALL), T., 330.

$C_{23}H_{41}N$ Heptadecylaniline, and its hydrochloride (LE SUEUR), T., 2435; P., 290.

23 III

$C_{23}H_{16}O_6N_4$ Substance, from benzylidene-α-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 793.

Substance, from αα-diphenylpyridine and trinitrobenzene (SUDBOROUGH and BEARD), T., 794.

$C_{23}H_{17}ON$ 10-Hydroxy-7-phenyldihydro-αβ-phenonaphthacridine (POPE and HOWARD), T., 976.

$C_{23}H_{17}O_5Cl$ 3:6-Diacetoxy-9-phenylxanthonium chloride (POPE and HOWARD), T., 1027.

$C_{23}H_{18}O_3N_2$ 3-Benzoylamino-3-hydroxy-2-keto-4:5-diphenylpyrroline, decomposition of (RUHEMANN), T., 463.

$C_{23}H_{18}O_6N_4$ Substance, from α- and β-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 788.

$C_{23}H_{21}O_3N$ Dibenzoyl derivative of *p*-hydroxyphenylethylmethylamine (WALPOLE),, T., 946.

8-Acetoxy-5-*p*-methoxyphenyl-3-methyldihydroacridine (POPE and HOWARD), T., 975.

$C_{23}H_{23}O_7N_5$ Substance, from tetramethyldiaminobenzophenone and trinitrobenzene (SUDBOROUGH and BEARD), T., 792.

$C_{23}H_{23}O_6N_5$ Substance, from tetramethyl-*p*-diaminodiphenylmethane and trinitrobenzene (SUDBOROUGH and BEARD), T., 791.

$C_{23}H_{23}O_7N_5$ Substance, from tetramethyldiaminobenzhydrol and trinitrobenzene (SUDBOROUGH and BEARD), T., 792.

$C_{23}H_{29}O_{10}N_2$ Nitronarceine (HOPE and ROBINSON), P., 230.

$C_{23}H_{39}ON$ Acetopentadecylanilide (LE SUEUR), T., 2439.

$C_{23}H_{40}ON_2$ Phenylheptadecylnitrosoamine (LE SUEUR), T., 2437.

23 IV

$C_{23}H_{19}O_3N_3S$ Toluene-ω-sulphonyl-*p*-aminobenzeneazo-β-naphthol (MORGAN and PICKARD), T., 57.

$C_{23}H_{23}O_6N_5S$ Substance, from tetramethyldiaminothiobenzophenone and trinitrobenzene (SUDBOROUGH and BEARD), T., 792.

C_{24} Group.

$C_{24}H_{16}O_3$ Benzoyl derivative of 2-benzo-α-naphthol (EDMINSON and HILDITCH), T., 226.

$C_{24}H_{18}O_3$ 8-Hydroxy-11-*p*-methoxyphenyl-β-naphthaxanthen (POPE and HOWARD), T., 975.

$C_{24}H_{18}O_{10}$ Acetyl derivative of trifolitin (POWER and SALWAY), T., 240.

$C_{24}H_{18}O_{11}$ Acetyl derivative of substance, from red clover flowers (POWER and SALWAY), T., 236.

$C_{24}H_{20}O_6$ 3:6-Diacetoxy-4′-methoxy-9-phenylxanthen (POPE and HOWARD), T., 974.

$C_{24}H_{22}O_{10}$ Tetra-acetylhesperitin (TUTIN), T., 2061.

$C_{24}H_{30}O_3$ Menthyl *o*-, and *p*-benzyloxybenzoate (COHEN and DUDLEY) T., 1745.

$C_{24}H_{30}O_5$ Elaterone (MOORE), T., 1803; P., 215.

$C_{24}H_{32}O_4$ Substance, from oxidation of elateric acid (MOORE), T., 1804; P., 215.

$C_{24}H_{32}N_2$ *o*-, *m*-, and *p*-Tolylmenthylbenzamidine, and their hydrochlorides and platinichlorides (COHEN and MARSHALL), T., 331.

$C_{24}H_{40}O_2$ Starch, iodine reaction for (HARRISON), P., 252.

24 III

$C_{24}H_{12}O_2S_2$ Naphthabisthioxanthone (DAVIS and SMILES), T., 1298; P., 174.

$C_{24}H_{15}O_7N_4$ Acetyl derivative of substance, from phenyl-β-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 789.

$C_{24}H_{19}O_2N$ 10-Hydroxy-7-*p*-methoxyphenyldihydro-αβ-phenonaphthacridine (POPE and HOWARD), T., 976; P., 88.

$C_{24}H_{20}O_6N_4$ Substance, from benzyl-β-naphthylamine and trinitrotoluene (SUDBOROUGH and BEARD), T., 788.

$C_{24}H_{25}O_6N_6$ Substance, from diethylaminobenzylidene-*p*-aminomethylaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 791.

$C_{24}H_{26}O_8N$ Acetylaminognoscopine (HOPE and ROBINSON), P., 230.

$C_{24}H_{32}O_4N_2$ Methyl αθ-dianilinosebacate (LE SUEUR and HAAS), T., 180.

$C_{24}H_{32}O_5N_2$ Dioxime of elaterone (MOORE), T., 1804.

24 IV

$C_{24}H_{18}O_6N_6S_3$ Benzene-1:3:5-trisulphonylter-*p*-phenylenediazoimide (MORGAN and PICKARD), T., 54.

$C_{24}H_{18}O_{12}N_6S_3$ Benzene-1:3:5-trisulphonylter-*m*- and *p*-nitroaniline (MORGAN and PICKARD), T., 54.

$C_{24}H_{18}N_8Cl_6Pt$ Benzeneazobenzenediazonium platinichloride (HEWITT and THOLE), T., 515; P., 54.

$C_{24}H_{24}O_6N_6S_3$ Benzene-1:3:5-trisulphonylter-*p*-phenylenediamine (MORGAN and PICKARD), T., 55.

C_{25} Group.

$C_{25}H_{24}O_{12}$ Carthamine, and its potassium salt (KAMETAKA and PERKIN), T., 1415; P., 181.

Xanthocarthanimic acid, salts of (KAMETAKA and PERKIN), T., 1425; P., 181.

$C_{25}H_{26}O_5$ *o*-β-Benzoylvinylphenyl hydrogen camphorate (EDMINSON and HILDITCH), T., 227.

$C_{25}H_{34}N_2$ Phenylmenthylethylbenzamidine, and its salts (COHEN and MARSHALL), T., 331.

$C_{25}H_{40}O_6$ Acetyl derivative of trifolianol (POWER and SALWAY), T., 249.

25 III

$C_{25}H_{17}O_{12}N_7$ Substance, from benzylideneaniline and trinitrobenzene (SUDBOROUGH and BEARD), T., 793.

$C_{25}H_{18}O_{12}N_8$ Substance, from benzaldehydephenylhydrazone and trinitrobenzene (SUDBOROUGH and BEARD), T., 793.

$C_{25}H_{19}O_2N$ Acetyl derivative of 10-hydroxy-7-phenyldihydro-αβ-phenonaphthacridine) (POPE and HOWARD), T., 977.

$C_{25}H_{28}O_2N_4$ Hydrate of 2:3-bis-(*p*-dimethylaminoanilo)-α-hydrindone (RUHEMANN), T., 1445; P., 196.

$C_{25}H_{28}O_5S$ *o*-β-Benzoylvinylphenyl camphor-β-sulphonate (EDMINSON and HILDITCH), T., 228.

$C_{25}H_{27}O_3N_9$ Substance, from the action of *p*-triazobenzaldehyde on camphoryl-ψ-semicarbazide (FORSTER and JUDD), T., 261.

$C_{25}H_{43}ON$ Acetoheptadecylanilide (LE SUEUR), T., 2437.

25 IV

$C_{25}H_{21}O_4N_3S$ Phenetoleazosulphobenzylidene-α- and β-naphthylamine, potassium salts (GREEN and SEN), T., 2246.

$C_{25}H_{33}O_7NS$ Benzoyloscine *d*-camphorsulphonate (TUTIN), T., 1795; P. 215.

25 V

$C_{25}H_{32}O_7NBrS$ Benzoyl-*d*-oscine *d*-bromocamphorsulphonate (TUTIN), T., 1798; P., 215.

C_{26} Group.

$C_{26}H_{16}O_4$ 1:4-Diphenoxyanthraquinone (WALSH and WEIZMANN), T., 688.

$C_{26}N_{19}O_2$ α-γ-Diphenyl-γ-1-naphthylallene-α-carboxylic acid (LAPWORTH and WECHSLER), T., 45.

Substance, from diphenylnaphthylallenecarboxylic acid and acetic acid (LAPWORTH and WECHSLER), T., 47.

$C_{26}H_{19}N$ 1:2:3-Triphenylindole (RICHARDS), T., 978.

$C_{26}H_{20}O_2$ αγ-Diphenyl-γ-1-naphthylbutyrolactone (LAPWORTH and WECHSLER), T., 42.

$C_{26}H_{20}O_4$ 8-Acetoxy-11-*p*-methoxyphenyl-β-naphthaxanthen (POPE and HOWARD), T., 975.

$C_{26}H_{25}N$ 1:4:5-Triphenyl-2-*tert.*-butylpyrrole (BOON), T., 1260.

$C_{26}H_{26}N_2$ 1-Anilino-2-*tert.*-butyl-4:5-diphenylpyrrole (BOON), T., 1259; P., 94.

1:3:4-Triphenyl-6-*tert.*-butyldihydropyridazine (BOON), T., 1259; P., 94,

$C_{26}H_{42}O_6$ Diacetylcitrullol (POWER and MOORE), T., 102.

26 III

$C_{26}H_{14}O_8N_2$ Dinitro-1:4-diphenoxyanthraquinone (WALSH and WEIZMANN), T., 689.

$C_{26}H_{17}O_2Br$ Bromolactone from ethyl αγ-diphenyl-γ-1-naphthylallene-α-carboxylate (LAPWORTH and WECHSLER), T., 47.

$C_{26}H_{20}O_{12}N_8$ Substance, from acetophenonephenylhydrazone and trinitrobenzene (SUDBOROUGH and BEARD), T., 794.

$C_{26}H_{21}O_3N$ 10-Acetoxy-7-*p*-methoxyphenyldihydro-αβ-phenonaphthacridine (POPE and HOWARD), T., 976.

$C_{26}H_{22}O_{12}N_{10}$ Substance, from *p*-aminobenzeneazodimethylaniline (SUDBOROUGH and BEARD), T., 787.

$C_{26}H_{36}O_4N_2$ Ethyl αθ-dianilinosebacate (LE SUEUR and HAAS), T., 180.

C_{27} Group.

$C_{27}H_{20}O_5$ 2:4-Dibenzoyloxybenzhydrol (POPE and HOWARD), T., 80.

$C_{27}H_{22}O$ Tetraphenylacetone (SMEDLEY), T., 1491; P., 149.

$C_{27}H_{26}O_5$ 2-Benzo-α-naphthyl hydrogen camphorate (EDMINSON and HILDITCH), T., 228.

$C_{27}H_{30}O_{16}$ Rutin ($+3H_2O$), occurrence of, in *Tephrosia purpurea* (CLARKE and BANERJEE), T., 1837; P., 213.

Osyritrin (*violaquercitrin*), occurrence of, in *Osyris abyssinica* (AULD), P., 146.

Osyritrin, myrticolorin, violaquercitrin and rutin ($+3H_2O$), identity of (PERKIN), T., 1776; P., 213.

$C_{27}H_{40}N_2$ *d*-Bornylornylbenzamidine, and its salts (COHEN and MARSHALL), T., 334.

$C_{27}H_{46}O$ Verosterol (+H_2O) (POWER and ROGERSON), T., 1951; P., 219.
Phytosterol, from colocynth (POWER and MOORE), T., 105.
Phytosterol, from gelsemium (MOORE), T., 2226; P., 247.
Phytosterol, (and +H_2O) from *Trifolium incarnatrin* (ROGERSON), T. 1012; P., 112.

27 III

$C_{27}H_{20}O_{12}N_8$ Substance, from cinnamaldehydephenylhydrazone and trinitrobenzene (SUDBOROUGH and BEARD), T., 793.
$C_{27}H_{21}O_3N$ 8-Benzoyloxy-5-phenyl-3-methyldihydroacridine (POPE and HOWARD), T., 83.
$C_{27}H_{35}O_5N_3$ Quinine 4-oximino*cyclo*hexanecarboxylate (+$2\frac{1}{2}H_2O$) (MILLS and BAIN), T., 1872.

27 IV

$C_{27}H_{23}O_4N_5S$ Phenetoleazosulphobenzylideneaminoazobenzene, potassium salt (GREEN and SEN), T., 2246.

C_{28} Group.

$C_{28}H_{22}O$ 2:2:5:5-Tetraphenyl-2:5-dihydrofuran (PURDIE and ARUP), T. 1542; P., 199.
$C_{28}H_{22}O_2$ Ethyl $\alpha\gamma$-diphenyl-γ-1-naphthylallene-α-carboxylate (LAPWORTH and WECHSLER), T., 44.
$C_{28}H_{22}O_6$ Dibenzoyl derivative of 2:4-dihydroxy-4′-methoxybenzhydrol (POPE and HOWARD), T., 973.
$C_{28}H_{32}O_3$ Menthyl β-benzoyloxynaphthoate (COHEN and DUDLEY), T., 1748.
$C_{28}H_{34}O_7$ α-Elaterin, constitution of (MOORE), T., 1797; P., 215.

28 III

$C_{28}H_{19}O_{12}N_7$ Substance, from phenyl α- and β-naphthylamines and trinitrobenzene (SUDBOROUGH and BEARD), T., 789.
$C_{28}H_{21}O_3N$ 2-Keto-3:3-bishydroxyphenyl-4:5-diphenylpyrroline (RUHEMANN), T., 465.
$C_{28}H_{22}O_5S$ Dibenzoyl-*p*-cresol sulphoxide (GAZDAR and SMILES), T., 2249.

C_{29} Group.

$C_{29}H_{44}N_2$ *d*-Bornyl-*l*-bornylethylbenzamidine, and its salts (COHEN and MARSHALL), T., 335.

29 III

$C_{29}H_{19}O_{12}N_7$ Substance, from benzylidene-β-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 793.
$C_{29}H_{21}O_6N$ ω-Benzoylamino-*op*-dibenzoyloxyacetophenone (TUTIN), T., 2515.
$C_{29}H_{21}O_{12}N_7$ Substance, from *p*-tolyl-α-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 790.
Substance, from *o*- and *p*-tolyl-β-naphthylamines and trinitrobenzene (SUDBOROUGH and BEARD), T., 790.
$C_{29}H_{26}O_{13}N_8$ Substance, from tetramethyldiaminobenzophenone and trinitrobenzene (SUDBOROUGH and BEARD), T., 792.
$C_{29}H_{25}O_6N_5$ Substance, from tetramethyldiaminotriphenylmethane and trinitrobenzene (SUDBOROUGH and BEARD), T., 792.

29 V

$C_{29}H_{25}O_3NSSi$ β-Naphthylamine *l*-dibenzylethylpropylsilicanesulphonate (CHALLENGER and KIPPING), T., 770.

$C_{29}H_{47}O_3NSSi$ *l*-Menthylamine *dl*-dibenzylethylpropylsilicanesulphonate ($+2H_2O$) (CHALLENGER and KIPPING), T., 152.

C_{30} Group.

$C_{30}H_{20}O_3$ 8-Benzoyloxy-11-phenyl-β-naphthaxanthen (POPE and HOWARD), T., 83.

$C_{30}H_{21}N$ 1:2:3-Triphenyl-α and β-naphthindoles (RICHARDS), T., 979.

$C_{30}H_{28}O_3$ 3:4-Dimethoxy-2:2:5:5-tetraphenyltetrahydrofuran (PURDIE and YOUNG), T., 1535; P., 198.

30 III

$C_{30}H_{20}O_4N_2$ *oo'*-Dibenzoyloxy-2:5-diphenylpyrazine (TUTIN), T., 2519.

$C_{30}H_{23}O_{12}N_7$ Substance, from phenyl-α-naphthylamine and trinitrotoluene (SUDBOROUGH and BEARD), T., 789.

$C_{30}H_{24}O_6N_4$ Substance, from dibenzyl-β-naphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 791.

$C_{30}H_{29}O_{15}N_5$ Narcotine salt of 2:3:5-trinitro-4-acetylaminophenol (MELDOLA and KUNTZEN), T., 452.

$C_{30}H_{36}O_4N_2$ Elateronephenylhydrazone (MOORE), T., 1803.

30 IV

$C_{30}H_{28}O_8N_6S_2$ Bisphenetoleazobenzaldazinedisulphonic acid, potassium salt (GREEN and SEN), T., 2247.

$C_{30}H_{39}O_8NS$ *d*- and *l*-Pavine camphor-β-sulphonate (POPE and GIBSON), T., 2211.

d-Pavine *l*-camphor-β-sulphonate and *l*-pavine *d*-camphor-β-sulphonate (POPE and GIBSON), T., 2212.

$C_{30}H_{45}O_3Cl_2Sb$ Tricamphorylstibine chloride (MORGAN, MICKLETHWAIT, and WHITBY), T., 35.

30 V

$C_{30}H_{28}O_8NBrS$ *d*-Pavine *l*-α-bromocamphor-π-sulphonate (POPE and GIBSON), T., 2209.

C_{31} Group.

$C_{31}H_{50}O_3$ Prunol ($+H_2O$), and its sodium salt (POWER and MOORE), T., 1104; P., 124.

31 III

$C_{31}H_{29}O_6N_4$ Substance, from dibenzyl-β-naphthylamine and trinitrotoluene (SUDBOROUGH and BEARD), T., 791.

$C_{31}H_{31}O_{12}N$ Aniline xanthocarthaminate (KAMETAKA and PERKIN), T., 1424; P., 182.

$C_{31}H_{32}O_{19}N_6$ Brucine salt of 2:3:5-trinitro-4-acetylaminophenol (MELDOLA and KUNTZEN), T., 451.

31 IV

$C_{31}H_{38}O_6N_2S$ Strychnine *d*- and *l*-camphor-π-sulphonate ($+H_2O$) (POPE and READ), T., 990.

C_{32} Group.

$C_{32}H_{52}O_3$ Methylprunol (+ H_2O) (POWER and MOORE), T., 1106.

32 III

$C_{32}H_{21}O_{12}N_7$ Substance, from $\alpha\alpha$-, and $\beta\beta$-dinaphthylamine and trinitrobenzene (SUDBOROUGH and BEARD), T., 789.

C_{33} Group.

$C_{33}H_{22}O_5$ 3:6-Dibenzoyloxy-9-phenylxanthen (POPE and HOWARD), T., 82.
$C_{33}H_{28}O_3$ Dibenzoylmatairesinol (EASTERFIELD and BEE), T., 1030.
$C_{33}H_{52}O_8$ Acetylprunol (POWER and MOORE), T., 1105.

33 III

$C_{33}H_{30}O_7N_2$ Brucine salt of β-phenyl-β-methylglycidic acid (WOOTTON), T., 409; P., 44.

33 IV

$C_{33}H_{26}O_6N_6S_2$ Methanedisulphonylbis-*p*-aminobenzeneazo-β-naphthol (MORGAN, PICKARD, and MICKLETHWAIT), T., 60.

C_{34} Group.

$C_{34}H_{54}O_4$ Acetylmethylprunol (POWER and MOORE), T., 1106.
$C_{34}H_{70}O$ Incarnatyl alcohol (ROGERSON), T., 1011; P., 112.

34 III

$C_{34}H_{38}O_4N_2$ Substance, from *p*-nitrobenzaldehyde and sodium camphor (WOOTTON), T., 411.

C_{35} Group.

$C_{35}H_{54}O_5$ Diacetylprunol (POWER and MOORE), T., 1105; P., 124.

35 III

$C_{35}H_{33}O_{12}N$ β-Naphthylamine xanthocarthaminate (KAMETAKA and PERKIN), T., 1425; P., 182.
$C_{35}H_{41}O_6N_5$ Ergotoxine, and its salts (BARGER and EWINS), T., 284; P., 2.

C_{36} Group.

$C_{36}H_{32}O_6SSb_2$ Triphenylstibine hydroxysulphate (MORGAN, MICKLETHWAIT, and WHITBY), T., 35.
$C_{36}H_{32}O_8N_6S_2$ Bisphenetoleazosulphobenzylidene-*p*-phenylenediamine, potassium salt (GREEN and SEN), T., 2247.
$C_{36}H_{47}O_6N_4Cl_3$ Trichlorobutylidenebis-3-aminophenyl-α-camphoramic acid (WOOTTON), T., 410.

36 V

$C_{36}H_{45}O_6NSSi$ Morphine *dl*- and *l*-dibenzylethylpropylsilicanesulphonate (CHALLENGER and KIPPING), T., 762.

C_{37} Group.

$C_{37}H_{36}O_{20}$ Octa-acetylserotrin (POWER and MOORE), T., 1109.

37 III

$C_{37}H_{45}O_6N_5$ Ergotoxine ethyl ester, phosphate and hydrochloride of (BARGER and EWINS), T., 286; P., 2.

C_{38} Group.

$C_{38}H_{33}O_2N_5$ Diazoamine, from ammonia and benzoylethyl-1:4-naphthylenediamine diazonium salts (MORGAN and COUZENS), T., 1696.

38 V

$C_{38}H_{48}O_4N_2SSi$ Cinchonidine *dl*- and *l*-dibenzylethylpropylsilicanesulphonate (CHALLENGER and KIPPING), T., 760.

C_{39} Group.

$C_{39}H_{50}O_5N_2SSi$ Quinine *dl* and *l*-dibenzylethylpropylsilicanesulphonate (CHALLENGER and KIPPING), T., 760.

$C_{39}H_{63}O_6N_2S_2Si$ *l*-Menthylamine dibenzylethylpropylsilicanedisulphonate (CHALLENGER and KIPPING), T., 153.

C_{40} Group.

$C_{40}H_{48}O_5N_2SSi$ Strychnine *dl*-dibenzylethylpropylsilicanesulphonate $\cdot$(and + $3H_2O$) (CHALLENGER and KIPPING), T., 150.

Strychnine *l*-dibenzylethylpropylsilicanesulphonate (CHALLENGER and KIPPING), T., 770.

C_{42} Group.

$C_{42}H_{74}O_4$ Incarnatyl hydrogen phthalate, sodium salt of (ROGERSON), T., 1011.

42 IV

$C_{42}H_{36}O_8N_6S_2$ Bisphenetoleazosulphobenzylidenebenzidine, potassium salt (GREEN and SEN), T., 2247.

42 V

$C_{42}H_{52}O_7N_2SSi$ Brucine *dl*-, *d*- and *l*-dibenzylethylpropylsilicanesulphonate (CHALLENGER and KIPPING), T., 766.

C_{44} Group.

$C_{44}H_{28}O_8N_2$ *oo'pp'*-Tetrabenzoyloxy-2:5-diphenylpyrazine (TUTIN), T., 2515.

$C_{44}H_{64}O_{20}N_2$ *d*- and *l*-Pavine *d*-tartrates (POPE and GIBSON), T., 2217.

C_{54} Group.

$C_{54}H_{39}O_9N_9S_3$ Benzene-1:3:5-trisulphonylter-*p*-aminobenzeneazo-β-naphthol (MORGAN and PICKARD), T., 56.

C_{60} Group.

$C_{60}H_{76}O_{16}N_2Br_2S_2$ *dl*-Pavine *dl*-α-bromo-camphor-π-sulphonate (+ H_2O) (Pope and Gibson), T., 2210.

C_{61} Group.

$C_{61}H_{70}O_{10}N_4S_2Si$ Strychnine dibenzylethylpropylsilicanedisulphonate (Challenger and Kipping), T., 151.

C_{67} Group.

$C_{67}H_{48}O_{18}$ Benzoylcarthamine (Kametaka and Perkin), T., 1421; P., 181.

ERRATA.

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Page	Line		
55	19	*for*	"$C_{24}H_{24}O_4N_4S_3$" *read* "$C_{24}H_{24}O_6N_6S_3$."
56	10	,,	"$C_{54}H_{48}O_9N_9S_3$" *read* "$C_{54}H_{39}O_9N_9S_3$."
60	13*	,,	"$C_{13}H_{26}O_6N_6S_2$" *read* "$C_{33}H_{26}O_6N_6S_2$."
82	1	,,	"3:6-*Dibenzoyl*-9-*phenylxanthen*" read "3:6-*Dibenzoyloxy*-9-*phenylxanthen*."
464	2*	,,	"$C_{22}H_{27}O_2NS$" *read* "$C_{22}H_{17}O_2NS$."
690	12	,,	"$C_{15}H_8O_3Cl_2$" *read* "$C_{15}H_8O_3Cl_2$."
1032	16, 6*	*for*	"2-Methyl-1:3-benzoxazine-4-one" *read* "2-Methyl-1:3-dihydrobenzoxazine-4-one."
1033	4, 11, 8*, 15*		
1056	10*	*alter* formula to "$N_3{\cdot}CH{<}^{N}_{N}$"	
1219, 1221, 1223, 1225		in head-line *for* "NITROGEN" *read* "HYDROGEN."	
1245	5	*for* $CH_2{:}C{\cdot}CH_2{\cdot}CH_2$ (C—CH$_2$) *read* $CH_2{:}C{\cdot}CH_2{\cdot}CH_2$ (O—CO).	
1297	13*	,,	"$C_6H_4{<}^{CO}_{S}{>}C_6H_4{\cdot}OH$" *read* "$C_6H_4{<}^{CO}_{S}{>}C_6H_3{\cdot}OH$."
1398	4*	,,	"8-*Nitro*-6:7-*dimethylcoumarin*" read "5-*Nitro*-6:7-*dimethylcoumarin*."
1733	20	,,	"270·8°" *read* "240·8°."
1738	11*	,,	"Benzoylnaphthoyl" *read* "Benzoyl."
1826	2*	,,	"deep orange" *read* "pale yellow."
2001	25	,,	"has" *read* "have."
2274	16*	,,	"3-*Methyl*-" read "2-*Methyl*."
2274	15*	,,	"$C_6H_4{<}^{CHMe}_{CO}{>}CH{\cdot}CO_2Et$" *read* "$C_6H_4{<}^{CH_2}_{CO}{>}CMe{\cdot}CO_2Et$."
2275	1	,,	"3-*methyl*-" read "2-*methyl*-."
2275	10	,,	"3-*Methyl*-" read "2-*Methyl*."
2275	10	,,	"$C_6H_4{<}^{CHMe}_{CO}{>}CH_2$" *read* "$C_6H_4{<}^{CH_2}_{CO}{>}CHMe$."
2275	11	,,	"3-*methyl*-" read "2-*methyl*."

* From bottom.